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DATE: Tuesday, November 25, 2003

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L22	L19 AND @PY<=1995	81	L22
L21	L19 AND PD<=1995	308	L21
L20	L19 AND PY>=1995	308	L20
L19	L18 AND peptide	308	L19
L18	(SRL OR VLR)	43137	L18
L17	L16 AND homing peptide	9	L17
L16	((530/300 530/350)!.CCLS.)	14558	L16
L15	(530/300,350.CCLS.)	0	L15
L14	L8 AND homing peptide	6	L14
L13	L8 AND home	203	L13
L12	L10 AND Val-Leu-Arg	0	L12
L11	L8 AND VLR	0	L11
L10	L8 AND Ser-Arg-Leu	1	L10
L9	L8 AND SRL	8	L9
L8	(514/2.CCLS.)	5547	L8
L7	Pasqualini-Renata.IN.	28	L7
L6	Pasqualini-R.IN.	42	L6
L5	Pasqualini-R.IN.	0	L5
L4	(Pasqualini.IN.)	192	L4
L3	Ruoslahti-Erkki.IN.	42	L3
L2	Ruoslahti-E.IN.	31	L2
L1	(Ruoslahti.IN.)	197	L1

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<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L7	Pasqualini-Renata.IN.	28	L7
L6	Pasqualini-R.IN.	42	L6
L5	Pasqaulini-R.IN.	0	L5
L4	(Pasqualini.IN.)	192	L4
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L2	Ruoslahti-E.IN.	31	L2
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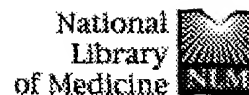
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L8	V-L-R	10	L8
L7	VLR	2703	L7
L6	Val-Leu-Arg	13	L6
L5	(Valine-Leucine-Arginine)	4	L5
L4	S-R-L	1	L4
L3	SRL	40439	L3
L2	Ser-Arg-Leu	3	L2
L1	(Serine-Arginine-Leucine)	4	L1

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- ☐ 1: [Ratajczak J, Reza R, Kucia M, Majka M, Allendorf DJ, Baran JT, Janowska-Wieczorek A, Wetsel RA, Ross GD, Ratajczak MZ.](#) Related Articles, Links

Mobilization studies in mice deficient in either C3 or C3a-receptor (C3aR) reveal a novel role for complement in retention of hematopoietic stem/progenitor cells in bone marrow.
Blood. 2003 Nov 6 [Epub ahead of print]
PMID: 14604969 [PubMed - as supplied by publisher]

- ☐ 2: [Burger M, Glodek A, Hartmann T, Schmitt-Graff A, Silberstein LE, Fujii N, Kipps TJ, Burger JA.](#) Related Articles, Links

Functional expression of CXCR4 (CD184) on small-cell lung cancer cells mediates migration, integrin activation, and adhesion to stromal cells.
Oncogene. 2003 Nov 6;22(50):8093-101.
PMID: 14603250 [PubMed - in process]

- ☐ 3: [Roseeuw E, Coessens V, Balazuc AM, Lagranderie M, Chavarot P, Pessina A, Neri MG, Schacht E, Marchal G, Domurado D.](#) Related Articles, Links

Synthesis, degradation, and antimicrobial properties of targeted macromolecular prodrugs of norfloxacin.
Antimicrob Agents Chemother. 2003 Nov;47(11):3435-41.
PMID: 14576099 [PubMed - in process]

- ☐ 4: [Bogenrieder T, Herlyn M.](#) Related Articles, Links

Axis of evil: molecular mechanisms of cancer metastasis.
Oncogene. 2003 Sep 29;22(42):6524-36. Review.
PMID: 14528277 [PubMed - indexed for MEDLINE]

- ☐ 5: [Tai YT, Podar K, Catley L, Tseng YH, Akiyama M, Shringarpure R, Burger R, Hideshima T, Chauhan D, Mitsiades N, Richardson P, Munshi NC, Kahn CR, Mitsiades C, Anderson KC.](#) Related Articles, Links



















Insulin-like growth factor-1 induces adhesion and migration in human multiple myeloma cells via activation of beta1-integrin and phosphatidylinositol 3'-kinase/AKT signaling.
Cancer Res. 2003 Sep 15;63(18):5850-8.
PMID: 14522909 [PubMed - in process]




















- ☐ 6: [Becker KA, Florin L, Sapp C, Sapp M.](#) Related Articles, Links



















Dissection of human papillomavirus type 33 L2 domains involved in nuclear domains (ND) 10 homing and reorganization.
Virology. 2003 Sep 15;314(1):161-7.
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

















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 Transforming growth factor-beta as a regulator of site-specific T-cell inflammatory response.
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-  **10:** [Guhan N, Muniyappa K.](#) [Related Articles, Links](#)
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Nucleic Acids Res. 2003 Jul 15;31(14):4184-91.
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-  **11:** [Klunker S, Trautmann A, Akdis M, Verhagen J, Schmid-Grendelmeier P, Blaser K, Akdis CA.](#) [Related Articles, Links](#)
 A second step of chemotaxis after transendothelial migration: keratinocytes undergoing apoptosis release IFN-gamma-inducible protein 10, monokine induced by IFN-gamma, and IFN-gamma-inducible alpha-chemoattractant for T cell chemotaxis toward epidermis in atopic dermatitis.
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 Nonpeptide mediators in the hematopoietic microenvironment.
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 Recruitment of human umbilical vein endothelial cells and human primary fibroblasts into experimental tumors growing in SCID mice.
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 In vivo effects of growth hormone on thymic cells.
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 Functionally distinct nucleic acid binding sites for a group I intron encoded RNA maturase/DNA homing endonuclease.
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 Peptabodies as tools to test ligands isolated from phage-displayed peptide libraries.
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 **Model glycosulfopeptides from P-selectin glycoprotein ligand-1 require tyrosine sulfation and a core 2-branched O-glycan to bind to L-selectin.**
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 **The Toll-like receptor 5 stimulus bacterial flagellin induces maturation and chemokine production in human dendritic cells.**
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-  **21:** [Blander JM, Sant'Angelo DB, Metz D, Kim SW, Flavell RA, Bottomly K, Janeway CA Jr.](#) [Related Articles, Links](#)
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-  **22:** [Psenak O, Sefo L, Sykora V, Chang KT, Necas E.](#) [Related Articles, Links](#)
 **Cytokine gene expression in regenerating haematopoietic tissues of mice after cyclophosphamide treatment.**
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-  **23:** [Savinov AY, Wong FS, Stonebraker AC, Chervonsky AV.](#) [Related Articles, Links](#)
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 **In vivo blockade of macrophage migration inhibitory factor ameliorates acute experimental autoimmune encephalomyelitis by impairing the homing of encephalitogenic T cells to the central nervous system.**
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-  **26:** [Gangopadhyay JP, Jiang SQ, van Berkel P, Paulus H.](#) [Related Articles, Links](#)

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-  **27:** Sasaki M, Hasegawa H, Kohno M, Inoue A, Ito MR, Fujita S. [Related Articles](#), [Links](#)
-  **Antagonist of secondary lymphoid-tissue chemokine (CCR ligand 21) prevents the development of chronic graft-versus-host disease in mice.**
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-  **28:** Onaitis M, Kalady MF, Pruitt S, Tyler DS. [Related Articles](#), [Links](#)
-  **Dendritic cell gene therapy.**
Surg Oncol Clin N Am. 2002 Jul;11(3):645-60. Review.
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-  **Cell surface peptidase CD26/dipeptidylpeptidase IV regulates CXCL12/stromal cell-derived factor-1 alpha-mediated chemotaxis of human cord blood CD34+ progenitor cells.**
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-  **30:** Knudsen E, Iversen PO, Van Rooijen N, Benestad HB. [Related Articles](#), [Links](#)
-  **Macrophage-dependent regulation of neutrophil mobilization and chemotaxis during development of sterile peritonitis in the rat.**
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-  **Effective therapeutic anticancer vaccines based on precision guiding of cytolytic T lymphocytes.**
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-  **34:** Schuurman HJ, Menninger K, Audet M, Kunkler A, Maurer C, Vedrine C, Bernhard M, Gaschen L, Brinkmann V, Quesniaux V. [Related Articles](#), [Links](#)
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 Large and dissimilar repertoire of Melan-A/MART-1-specific CTL in metastatic lesions and blood of a melanoma patient.
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 Identification of synovium-specific homing peptides by in vivo phage display selection.
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








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


















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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
















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















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

















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
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
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
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


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





















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
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
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
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
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
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
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







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
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


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


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
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








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
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
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















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
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
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
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
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
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
















Intercellular adhesion molecule-1 is a cell surface receptor for hyaluronan.


















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
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
















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









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






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
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
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
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











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









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


















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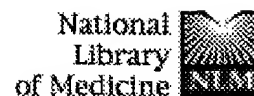
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
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
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

















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
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
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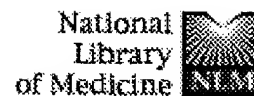
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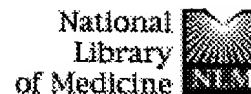
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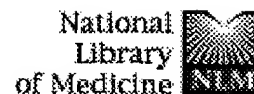
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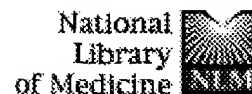
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
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
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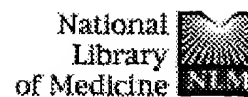
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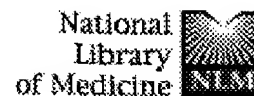
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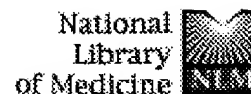
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

































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
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
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









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
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
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
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
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
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
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
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
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
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
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
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
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
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












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
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


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


















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














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







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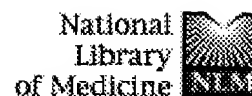
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

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

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

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

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


















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









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

















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
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

















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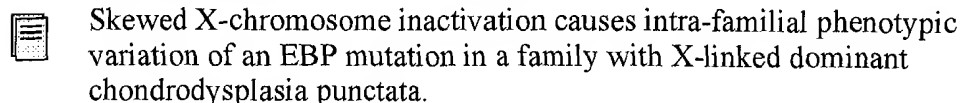
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








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
















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

















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

















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












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




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
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
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
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
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













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
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
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
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
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
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
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
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




















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
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

















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
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
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


















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

















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
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
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
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
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
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







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
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
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
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
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
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








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
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
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


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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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


















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














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



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






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
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
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
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



















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31 FILES SEARCHED...
L8 77 L7 AND PEPTIDE

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AN 0131672 BIOCOMMERCE FS Abstract
CO ***SRL*** Inc (4605), Japan
SO Antiviral Agents Bulletin, AUG 1995, vol. 88, Page(s) 248.
TC (Company information)

L8 ANSWER 2 OF 77 BIOCOMMERCE COPYRIGHT 2003 BioCommerce Data Ltd. on STN
AN 0119677 BIOCOMMERCE FS Abstract
CO CONNECT Pharma Ltd (26438), UK
Pharmaceutical Discovery Corp (28235), USA
3M Pharmaceuticals (24011), USA
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American Cyanamid Co (1127), USA
Astra AB (2586), Sweden
Bayer AG (159), Germany
Nihon Shokken Co Ltd (11960), Japan
CIBA-GEIGY AG (134), Switzerland
Marion Merrel Dow Inc (23577), USA
Rhone-Poulenc Rorer Inc (6086), USA
Upjohn Co, The (36), USA
Laboratoires Fournier (11582), France
Jago Pharma AG (30012), Switzerland
SmithKline Beecham Corp (22600), USA
Eli Lilly and Co (1081), USA
Scherer DDS Ltd (13432), UK
A&S Biovecteurs SA (16658), France
Cortecs International Ltd (25068), Australia
Euderma ***Srl*** (27663), Italy
DanBioSyst UK Ltd (16164), UK
Pharmatec International ***Srl*** (17994), Italy
Debio Recherche Pharmaceutique SA (DRP) (25559), Switzerland
Gensia Inc (30003), USA
Biovector Therapeutics SA (42103), France
Hoechst Marion Roussel AG (35782), Germany
Pharmacia & Upjohn Inc (36197), USA
Cygnus Inc (36377), USA
Novartis AG (38000), Switzerland
PharmaVentures Ltd (47044), UK
West Pharmaceutical Services Drug Delivery and Clinical Research Centre Ltd (55186), UK
Gensia Sicor Inc (41935), USA
SICOR Inc (55202), USA
Aventis Pharma AG (50059), Germany
Pharmacia Corp (56022), USA
SO Genetic Engineering News, 01 NOV 1994, vol. 1419, Page(s) 1,14,34.
TC (Company information)

L8 ANSWER 3 OF 77 BIOCOMMERCE COPYRIGHT 2003 BioCommerce Data Ltd. on STN
AN 0114793 BIOCOMMERCE FS Abstract
CO Genzyme Corp (1459), USA
American Cyanamid Co (1127), USA
American Home Products Corp (AHP) (2985), USA
Rhone-Poulenc Rorer Inc (6086), USA
Chiron Corp (1282), USA
Ares-Serono SA (1487), Switzerland
Sphinx Pharmaceuticals Corp (17755), USA
InterPharm Laboratories Ltd (1559), Israel
Houghten Pharmaceuticals Inc (26566), USA
Chiron Mimotopes US (28496), USA
Multiple ***Peptide*** Systems (MPS) (17461), USA

Chiron Mimotopes ***peptide*** Systems (CMPS) (31468), USA
 Genzyme Transgenics Corp (GTC) (29110), USA
 TSI Corp (16127), USA
 IG Laboratories Inc (403), USA
 Genencor International Inc (500), USA
 Genetic Design Inc (1444), USA
 Needham & Co (244), USA
 Radiobiological Institute (896), Netherlands
 Medix Biotech Inc (19502), USA
 Vivigen Inc (5467), USA
 VIROTECH System-Diagnostika GmbH (9246), Germany
 Omnia Res ***SrI*** (29320), Italy
 Bio-Pharm Clinical Services Inc (27153), USA
 Affinity Biotech Inc (10671), USA
 DDI Pharmaceuticals Inc (7720), USA
 BIOXYTECH SA (24024), France
 Darby Pharmaceuticals (31438), USA
 Trinity Biotech plc (26737), Ireland
 Michigan Investment Fund (15068), USA
 DNA Plant Technology Corp (DNAP) (1364), USA
 Freshworld Inc (21872), USA
 ImmunoPharmaceutics Inc (23777), USA
 Texas Biotechnology Corp (TBC) (16492), USA
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 MonoCarb AB (4657), Sweden
 Premier BioResources Inc (PBI) (31680), USA
 North American Biologicals Inc (NABI) (4993), USA
 Serono Diagnostics Inc (3526), USA
 BioChem Pharma Inc (25653), Canada
 Center for Gene Research and Biotechnology (17255), USA
 Eli Lilly and Co (1081), USA
 Theragen Inc (26605), USA
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 Nabi (37595), USA
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 Genzyme Genetics Inc (38640), USA
 Oxis International SA (39763), France
 Trega Biosciences Inc (41736), USA
 Bionova Holding Corp (51423), USA
 Serono SA (57407), Switzerland
 Shire Biochem Inc (58859), Canada
 BioWorld Financial Watch, 04 JUL 1994, vol. 226, Page(s) 1-5.
 General Review

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L8 ANSWER 4 OF 77 BIOCOMMERCE COPYRIGHT 2003 BioCommerce Data Ltd. on STN
 AN 0113504 BIOCOMMERCE FS Abstract
 CO Advanced Viral Research Corp (15275), USA
 DCT ***SRL*** (32843), Argentina
 SO BioCentury, 27 JUN 1994, vol. 242, Page(s) B5.
 TC (Company information)

L8 ANSWER 5 OF 77 BIOCOMMERCE COPYRIGHT 2003 BioCommerce Data Ltd. on STN
 AN 0098646 BIOCOMMERCE FS Abstract
 CO Primm ***SrI*** (29610), Italy
 SO BioWorld Today, 14 JUN 1993, vol. 4114, Page(s) 4.
 TC Biotechnology Newswatch, 04 OCT 1993, Page(s) 7.
 (Company information)

L8 ANSWER 6 OF 77 BIOCOMMERCE COPYRIGHT 2003 BioCommerce Data Ltd. on STN
 AN 0051215 BIOCOMMERCE FS Abstract
 CO DanBiosyst UK Ltd (16164), UK
 Ghent, University of (RUG) (7171), Belgium
 Pharmatec International ***SrI*** (17994), Italy
 West Pharmaceutical Services Drug Delivery and Clinical Research Centre
 Ltd (55186), UK
 SO Bio/Technology, MAR 1991, vol. 93, Page(s) 216.
 Bio/Technology, MAY 1991, vol. 95, Page(s) 409.
 BBI Newsletter, 07 MAY 1991, vol. 145, Page(s) 98.
 TC (Company information)

L8 ANSWER 7 OF 77 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1994:402855 BIOSIS
 DN PREV199497415855
 TI Urate oxidase is imported into peroxisomes recognizing the C-terminal SKL motif of proteins.
 AU Miura, Satoshi [Reprint author]; Oda, Toshiaki; Funai, Tsuneyoshi; Ito, Masaki; Okada, Yoshiie; Ichiyama, Arata
 CS Radioisotope Res. Cent., Yokohama City Univ. Sch. Med., 3-9 Fukuura, Kanazawa, Yokohama 236, Japan
 SO European Journal of Biochemistry, (1994) Vol. 223, No. 1, pp. 141-146. CODEN: EJBCAI. ISSN: 0014-2956.
 DT Article
 LA English
 ED Entered STN: 23 Sep 1994
 Last Updated on STN: 10 Nov 1994

L8 ANSWER 8 OF 77 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1993:416788 BIOSIS
 DN PREV199396082513
 TI Developmentally regulated kallikrein enzymatic activity and gene transcription rate in maturing rat kidneys.
 AU El-Dahr, Samir S. [Reprint author]; Yosipiv, Igor
 CS Dep. Pediatrics, Tulane Univ. Sch. Med., 1430 Tulane Avenue, New Orleans, LA 70112, USA
 SO American Journal of Physiology, (1993) Vol. 265, No. 1 PART 2, pp. F146-F150. CODEN: AJPHAP. ISSN: 0002-9513.
 DT Article
 LA English
 ED Entered STN: 8 Sep 1993
 Last Updated on STN: 9 Sep 1993

L8 ANSWER 9 OF 77 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:254171 BIOSIS
 DN PREV199293130496; BA93:130496
 TI PURIFICATION AND CHARACTERIZATION OF A PROTEIN INHIBITOR OF THE 20S PROTEASOME MACROPAIN.
 AU CHU-PING M [Reprint author]; SLAUGHTER C A; DEMARTINO G N
 CS DEP PHYSIOL, UNIV TEXAS SOUTHWESTERN MED CENT, 5323 HARRY HINES BLVD, DALLAS, TEX 75235, USA
 SO Biochimica et Biophysica Acta, (1992) Vol. 1119, No. 3, pp. 303-311. CODEN: BBACAQ. ISSN: 0006-3002.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 23 May 1992
 Last Updated on STN: 1 Jul 1992

L8 ANSWER 10 OF 77 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:26560 BIOSIS
 DN PREV199293015835; BA93:15835
 TI AMINO ACID SEQUENCE OF LONG CHAIN ALPHA HYDROXY ACID OXIDASE FROM RAT KIDNEY A MEMBER OF THE FAMILY OF FMN-DEPENDENT ALPHA HYDROXY ACID-OXIDIZING ENZYMES.
 AU DIEP LE K H [Reprint author]; LEDERER F
 CS CENTRE NATL DE LA RECHERCHE SCIENTIFIQUE UNITE DE RECHERCHE ASSOCIEE 1461, HOPITAL NECKER, 161 RUE DE SEVRES, 75743 PARIS CEDEX 15, FRANCE
 SO Journal of Biological Chemistry, (1991) Vol. 266, No. 31, pp. 20877-20881. CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 6 Jan 1992
 Last Updated on STN: 6 Mar 1992

L8 ANSWER 11 OF 77 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1989:128540 BIOSIS
 DN PREV198987063193; BA87:63193
 TI A LEUKOTRIENE AND THROMBOXANE INHIBITOR SCH-37224 BLOCKS ANTIGEN-INDUCED IMMEDIATE AND LATE RESPONSES AND AIRWAY HYPERRESPONSIVENESS IN ALLERGIC SHEEP.
 AU ABRAHAM W M [Reprint author]; STEVENSON J S; GARRIDO R
 CS DEP RES, MOUNT SINAI MED CENT, 4300 ALTON ROAD, MIAMI BEACH, FLA 33140, USA
 SO Journal of Pharmacology and Experimental Therapeutics, (1988) Vol. 247, No. 3, pp. 1004-1011.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 28 Feb 1989
 Last Updated on STN: 28 Feb 1989

L8 ANSWER 12 OF 77 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1984:237328 BIOSIS
 DN PREV198477070312; BA77:70312
 TI EFFECTS OF INTRA HIPPOCAMPALLY INJECTED NALOXONE AND MORPHINE UPON
 BEHAVIORAL RESPONSES TO NOVELTY IN MICE FROM 2 SELECTIVELY BRED LINES.
 AU VAN ABELEN J H F [Reprint author]; VAN NIES J H M
 CS DEPARTMENT OF ZOOLOGY, UNIVERSITY OF NIJMEGEN, TOERNOOIVELD, NL-6525 ED
 NIJMEGEN, NETHERLANDS
 SO Psychopharmacology, (1983) vol. 81, No. 3, pp. 232-235.
 CODEN: PSCHDL. ISSN: 0033-3158.

DT Article
 FS BA
 LA ENGLISH

L8 ANSWER 13 OF 77 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1982:211187 BIOSIS
 DN PREV198273071171; BA73:71171
 TI BEHAVIORAL EFFECTS OF LEVO NALOXONE IN MICE FROM 4 INBRED STRAINS.
 AU GORRIS L G M [Reprint author]; VAN ABELEN J H F
 CS DEP ZOOLOG, UNIV NIJMEGEN, NL-6525 ED NIJMEGEN, THE NETHERLANDS
 SO Psychopharmacology, (1981) vol. 74, No. 4, pp. 355-359.
 CODEN: PSCHDL. ISSN: 0033-3158.

DT Article
 FS BA
 LA ENGLISH

L8 ANSWER 14 OF 77 BIOTECHNO COPYRIGHT 2003 Elsevier Science B.V. on STN
 AN 1995:25370050 BIOTECHNO
 TI A long-term receptor stimulation is requisite for angiotensin
 II-dependent DNA synthesis in vascular smooth muscle cells from
 spontaneously hypertensive rats
 AU Itazaki K.; Hara M.; Itoh N.; Fujimoto M.
 CS Shionogi Research Laboratories, Shionogi and Co. Ltd., Fukushima-ku, Osaka
 553, Japan.
 SO European Journal of Pharmacology - Molecular Pharmacology Section, (
 ****1995****), 291/3 (417-425)
 CODEN: EJPPET ISSN: 0922-4106

DT Journal; Article
 CY Netherlands
 LA English
 SL English

L8 ANSWER 15 OF 77 CEN COPYRIGHT 2003 ACS on STN
 AN 94:2718 CEN
 TI Tips for a safe stay
 SO Chemical & Engineering News, (****20 Jun 1994****) vol. 72, No. 25, pp.
 53.
 CODEN: CENEAR, ISSN: 0009-2347.
 PB American Chemical Society
 LA English
 WC 13600

L8 ANSWER 16 OF 77 CIN COPYRIGHT 2003 ACS on STN
 AN 20(6):6136H CIN
 SO Eur. Chem., 21 Jan 1991 (910121), (4), p. 11. ISSN: 0014-2484; CODEN:
 EUCHAD.
 LA German

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 AN 93:14168 DISSABS Order Number: AARDX98329
 TI WHEAT ***PEPTIDES*** AND ANTIBODIES (GLIADIN)
 AU ALCOCER, MARCOS J. C. [PH.D.]
 CS UNIVERSITY OF EAST ANGLIA (UNITED KINGDOM) (5013)
 SO Dissertation Abstracts International, (****1992****) vol. 53, No. 10B,
 p. 5176. Order No.: AARDX98329. 121 pages.
 DT Dissertation
 FS DAI

LA English
ED Entered STN: 19930316
Last Updated on STN: 19930316

L8 ANSWER 18 OF 77 DRUGU COPYRIGHT 2003 THOMSON DERWENT on STN
AN 1992-42050 DRUGU P
TI An Endothelin (ET)A Receptor Antagonist Modifies Antigen-Induced Airway Responses in Allergic Sheep.
AU Abraham W M; Ahmed A; Cortes A; Noguchi K; Ishikawa K; Yano M
LO Miami, Florida, United States
SO Am.Rev.Respir.Dis. (145, No. 4, Pt. 2, A464, 1992) 1 Tab.
CODEN: ARDSBL ISSN: 0003-0805
AV Pulmonary Division, University Miami at Mount Sinai Medical Center, Miami Beach, FL, U.S.A.
LA English
DT Journal
FA AB; LA; CT
FS Literature

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AN 89230468 EMBASE
DN 1989230468
TI Genetic control of hippocampal cholinergic and dynorphinergic mechanisms regulating novelty-induced exploratory behavior in house mice.
AU Van Abeelen J.H.F.
CS Department of Animal Physiology, University of Nijmegen, NL-6525 ED Nijmegen, Netherlands
SO Experientia, (1989) 45/9 (839-845).
ISSN: 0014-4754 CODEN: EXPEAM
CY Switzerland
DT Journal
FS 002 Physiology
022 Human Genetics
032 Psychiatry
LA English
SL English

L8 ANSWER 20 OF 77 JICST-EPlus COPYRIGHT 2003 JST on STN
AN 950377048 JICST-EPlus
TI Basic examination of a renin activity (PRA) kit, " ***SRL*** ".
AU HIGUCHI CHIZUKO; KANAMORI ISAO; YOSHIDA HIROSHI; INAGAWA JUNKO; SASA BIN; HIGUCHI OSAMU
CS Ogaki Munic. Hosp.
SO Kaku Igaku Gijutsu (Japanese Journal of Nuclear Medicine Technology), (1995) vol. 15, no. 1, pp. 18-23. Journal Code: S0257B (Fig. 8, Tbl. 2, Ref. 4)
ISSN: 0289-100X
CY Japan
DT Journal; Article
LA Japanese
STA New

L8 ANSWER 21 OF 77 JICST-EPlus COPYRIGHT 2003 JST on STN
AN 950292676 JICST-EPlus
TI A study on the effects of suckling on the release of .BETA.-endorphin in puerperal lactating women.
AU SAWARAGI SUSUMU
CS Kansai Med. Univ.
SO Sanfujinka no Shinpo (Advances in Obstetrics and Gynecology), (1995) vol. 47, no. 2, pp. 316-324. Journal code: Z0452B (Fig. 10, Tbl. 2, Ref. 26)
ISSN: 0370-8446
CY Japan
DT Journal; Article
LA Japanese
STA New

L8 ANSWER 22 OF 77 JICST-EPlus COPYRIGHT 2003 JST on STN
AN 950227646 JICST-EPlus
TI Fundamental study of Renin IRMA 'Daiichi'.
AU KANAMORI ISAO; HIGUCHI CHIZUKO; YOSHIDA HIROSHI; INAGAWA JUNKO; SASA BIN; HIGUCHI OSAMU
CS Ogaki Munic. Hosp.
SO Igaku to Yakugaku (Japanese Journal of Medicine and Pharmaceutical Science), (1995) vol. 33, no. 1, pp. 263-267. Journal Code: F0597B (Fig. 7, Tbl. 2, Ref. 5)

ISSN: 0389-3898
CY Japan
DT Journal; Article
LA Japanese
STA New

L8 ANSWER 23 OF 77 JICST-EPlus COPYRIGHT 2003 JST on STN
AN 930368990 JICST-EPlus
TI Measurement of cyclosporine concentration using radioimmunoassay with a specific monoclonal antibody: Preparing for the liver transplantation program in Okayama University Medical School.
AU SAITO SHIN'YA; SAKAGAMI KEN'ICHI; MATSUNO TSUYOSHI; ORITA KUNZO
AKIYAMA TAKAO
CS Okayama Univ., School of Medicine
Okayama Univ., School of Medicine, Hospital
SO Okayama Igakkai Zasshi, (1993) vol. 105, no. 1-2, pp. 227-229. Journal Code: Z0158B (Fig. 1, Ref. 2)
ISSN: 0030-1558
CY Japan
DT Journal; Short Communication
LA Japanese
STA New

L8 ANSWER 24 OF 77 JICST-EPlus COPYRIGHT 2003 JST on STN
AN 920218457 JICST-EPlus
TI Biotechnology information (January first to January 14th, 1992).(Sponsor : Agriculture, Forestry and Fishery Research Council, Ministry of Agriculture, Forestry and Fisheries).
SO Baiotekunoroji Joho, (1992) no. 191, pp. 5P. Journal Code: J0398A
CY Japan
DT Journal; Commentary
LA Japanese
STA New

L8 ANSWER 25 OF 77 JICST-EPlus COPYRIGHT 2003 JST on STN
AN 900329013 JICST-EPlus
TI Postoperative parathyroid function assessed by the (1-84) PTH assay in patients with renal hyperparathyroidism.
AU KATAGIRI MAKOTO; FURUKAWA JUNKO; YAMANE YASUHIKO; YASUDA KENTARO; OTSUKA NOBUAKI; FUKUNAGA MASAO; MORITA RIKUSHI; HARADA TANEKAZU
CS Kawasaki Medical School
SO Naibunpi Geka (Endocrine Surgery), (1989) vol. 6, no. 3, pp. 321-326. Journal Code: X0107A (Fig. 6, Tbl. 1, Ref. 20)
ISSN: 0914-9953
CY Japan
DT Journal; Article
LA Japanese
STA New

L8 ANSWER 26 OF 77 LIFESCI COPYRIGHT 2003 CSA on STN
AN 92:16809 LIFESCI
TI Purification and characterization of a protein inhibitor of the 20S proteasome (macropain).
AU Ma, Chu-Ping; Slaughter, C.A.; DeMartino, G.N.
CS Dep. Physiol., Univ. Texas Southwestern Med. Cent., 5323 Harry Hines Blvd. Dallas, TX, USA
SO BIOCHIM. BIOPHYS. ACTA., (***1992***) vol. 1119, no. 3, pp. 303-311.
DT Journal
FS L
LA English
SL English

L8 ANSWER 27 OF 77 LIFESCI COPYRIGHT 2003 CSA on STN
AN 81:53957 LIFESCI
TI Behavioural Effects of (-) Naloxone in Mice From Four Inbred Strains.
AU Van Abeelen, J.H.F.; Gorris, L.G.M.
CS Dep. Zool., Univ. Nijmegen, NL-6525 ED Nijmegen, Netherlands
SO PSYCHOPHARMACOLOGY., (***1981***) vol. 74, no. 4, pp. 355-359.
DT Journal
FS X; Y
LA English
SL English

L8 ANSWER 28 OF 77 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED.
on STN
AN 1993-0645461 PASCAL

TIEN Developmentally regulated kallikrein enzymatic activity and gene
transcription rate in maturing rat kidney
AU EL-DAHR S. E.; YOSIPIV I.
CS Tulane univ. school medicine, dep. pediatrics, div. pediatric nephrology,
New Orleans LA 70112, United States
SO American journal of physiology. Renal, fluid and electrolyte physiology,
*** (1993) *** , 34(1), F146-F150, 21 refs.
ISSN: 0363-6127 CODEN: AJPFDJ
DT Journal
BL Analytic
CY United States
LA English
AV INIST-670 F, 354000035168540180

L8 ANSWER 29 OF 77 PHIN COPYRIGHT 2003 PJB on STN

AN 94:8657 PHIN
DN S00402468
DED 20 May 1994
TI NOVO-NORDISK COMPANY PROFILE (1994)
SO Scrip-Online-plus (***1994***)
DT Newsletter
FS FULL

L8 ANSWER 30 OF 77 PROMT COPYRIGHT 2003 Gale Group on STN

ACCESSION NUMBER: 95:450323 PROMT
TITLE: Top ten generic drug companies rank 1 Ivax Corp.
SOURCE: Med Ad News, (***1 Nov 1995***) pp. 42.
ISSN: 0745-0907.
LANGUAGE: English
WORD COUNT: 1876
FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L8 ANSWER 31 OF 77 PROMT COPYRIGHT 2003 Gale Group on STN

ACCESSION NUMBER: 79:51480 PROMT
TITLE: UK microbiological research suffers from a lack of
financing and the restrictive regulations of the Genetic
Manipulation Advisory Group, according to K Murray of
Edinburgh U.
SOURCE: Chemistry & Industry, (***7 Jul 1979***) pp. 4261.
LANGUAGE: English

L8 ANSWER 32 OF 77 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

AN 94:104734 SCISEARCH
GA The Genuine Article (R) Number: MV018
TI IN-VITRO TOXICITY OF PURIFIED GLUTEN ***PEPTIDES*** TESTED BY
ORGAN-CULTURE
AU FLUGE O; SLETTEN K; FLUGE G (Reprint); AKSNES L; ELSAYED S
CS HAUKELAND UNIV HOSP, DEPT PEDIAT, N-5021 BERGEN, NORWAY (Reprint); UNIV
BERGEN, DEPT PEDIAT, BERGEN, NORWAY; BIOTECHNOL CTR OLSO, BERGEN, NORWAY;
UNIV BERGEN, DEPT CLIN BIOL, DIV BIOCHEM, BERGEN, NORWAY
CYA NORWAY
SO JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION, (***FEB 1994***)
Vol. 18, No. 2, pp. 186-192.
ISSN: 0277-2116.
DT Article; Journal
FS LIFE; CLIN
LA ENGLISH
REC Reference Count: 19
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L8 ANSWER 33 OF 77 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

AN 91:606618 SCISEARCH
GA The Genuine Article (R) Number: GN001
TI AMINO-ACID-SEQUENCE OF LONG-CHAIN ALPHA-HYDROXY ACID OXIDASE FROM
RAT-KIDNEY, A MEMBER OF THE FAMILY OF FMN-DEPENDENT ALPHA-HYDROXY
ACID-OXIDIZING ENZYMES
AU LE K H D (Reprint); LEDERER F
CS HOP NECKER ENFANTS MALAD, CNRS, URA 1461, 161 RUE SEVRES, F-75743 PARIS
15, FRANCE (Reprint)
CYA FRANCE
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***1991***) Vol. 266, No. 31, pp.
20877-20881.
DT Article; Journal

FS LIFE
LA ENGLISH
REC Reference Count: 38
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L8 ANSWER 34 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2003:304 SYNTHLINE
DN 183737
CN Tirofiban hydrochloride; MK-383; L-700462; Aggrastat
CN N-(Butylsulfonyl)-4-O-(4-(4-piperidyl)butyl)-L-tyrosine monohydrochloride
RN 142373-60-2
RN 144494-65-5 (free base); 150915-40-5 (monoH2O)
MF C22 H36 N2 O5 S . Cl H
MW 477.06
CC Acute Myocardial Infarction, Treatment of; Angina pectoris, Treatment of;
Antiplatelet Therapy; Cardiovascular drugs; Cerebrovascular Diseases,
Treatment of; Coagulation Disorders Therapy; Hematologic drugs; Neurologic
drugs; Stroke, Treatment of; Treatment of Disorders of the Coronary
Arteries and Atherosclerosis; Integrin alphaIIb beta3 (Fibrinogen
gpIIb/IIIa) Antagonists
HDP Launched-1998
CO Banyu; Guilford; Merck & Co.
ED 15 May 2003

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03001.TIF
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Oakwood
Products, Inc.; Pfaltz & Bauer, Inc.
CO Astatech, Inc.
CO D&O Chemicals, Inc.
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster
Synthesis Inc.; Pfaltz & Bauer, Inc.; Saurefabrik Schweizerhall; SF-Chem;
TCI
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster
Synthesis Inc.; Pfaltz & Bauer, Inc.; Saurefabrik Schweizerhall; SF-Chem;
TCI
CO ABCR GmbH & Co.; Acros Organics; Albemarle Corporation; Aldrich; Alfa
Aesar; AlliedSignal Inc. Specialty Chemicals; Dolder Ltd.; Fangqiao East
Chemical Plant; Fluka; ICN Biomedical Research Products; Kessler Chemical,
Inc.; Ketan Chemical Corporation; Lancaster Synthesis Inc.; Narchem
Corporation; Ocean Chemicals Group; Pfaltz & Bauer, Inc.; Shouguang Fukang
Pharmaceutical Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sinobrom
Limited; Spectrum Quality Products, Inc.; TCI; Tosoh Corporation; Wilshire
Chemical Co., Inc.; Xinchem Company; Zhejiang Medicines & Health Products
Import & Export Co., Ltd.
CO ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; Aldrich; Fluka; ICN
Biomedical Research Products; Jubilant Organosys Limited; Koei Chemical
Company, Ltd; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals;
Pfaltz & Bauer, Inc.; Priya Limited; Raschig GmbH; Reilly Industries,
Inc.; Schenectady International Group; SiberHegner GmbH; Sichuan Sangao
Biochemical Co., Ltd.; Spectrum Quality Products, Inc.; TCI
CO Aldrich; Fluka; Sigma Chemical Company
CO Acros Organics; Aldrich; Biosynth International, Inc.; Chem-Impex
International, Inc.; Fluka; ICN Biomedical Research Products; Indofine
Chemical Company, Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster
Synthesis Inc.; Pfaltz & Bauer, Inc.; Saurefabrik Schweizerhall; SF-Chem;
TCI
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster
Synthesis Inc.; Pfaltz & Bauer, Inc.; Saurefabrik Schweizerhall; SF-Chem;
TCI
CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino
Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar;
American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Amino
GmbH; Amresco Inc.; Avatar Corporation; Biosynth International, Inc.;
Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation;
Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International,
Inc.; ChemPacific; China Wellton Chemical; Chongqin Justit Industries Co.,
Ltd.; Dastech International Inc.; Davos Chemical Corporation; Degussa
Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.;
Fabrighem, Inc.; Fisher Scientific; Fluka; Generichem Corp.; George Uhe
Company, Inc.; Giellepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.;
Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products;

Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Noveon, Inc.; Omega Chemical Co., Inc.; Parchem Trading Ltd.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals, Inc.; Shandong Zhenxing Chemical Industry Co., Ltd.; Shine Star (Hubei) Biological Engineering Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import & Export Trading Co., Ltd.

PY ***1994***

PY ***1994***

PY ***1994***

PY ***1993***

PY ***1993***

TI Non- ***peptide*** fibrinogen receptor antagonists. 2. Optimization of a tyrosine template as a mimic for Arg-Gly-Asp

TI Novel sulfonamide fibrinogen receptor antagonists

TI Novel sulfonamide fibrinogen receptor antagonists

TI Non- ***peptide*** fibrinogen receptor antagonists. 2. Optimization of a tyrosine template as a mimic for Arg-Gly-Asp

TI Novel sulfonamide fibrinogen receptor antagonists

TI Novel sulfonamide fibrinogen receptor antagonists

TI Non- ***peptide*** fibrinogen receptor antagonists. 2. Optimization of a tyrosine template as a mimic for Arg-Gly-Asp

TI A practical synthesis of fibrinogen receptor antagonist MK-383 - selective functionalization of (S)-tyrosine

TI Process for preparing fibrinogen receptor antagonists

TI Process for preparing fibrinogen receptor antagonists

TI Process for preparing fibrinogen receptor antagonists

TI A practical synthesis of fibrinogen receptor antagonist MK-383 - selective functionalization of (S)-tyrosine

TI Process for preparing fibrinogen receptor antagonists

L8 ANSWER 35 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN

AN 2003:295 SYNTHLINE

DN 149658

CN Valaciclovir; Valacyclovir; ValACV; BW-256U; 256U87; Virval; Zelitrex; Valtrex

CN L-Valine 2-(guanin-9-ylmethoxy)ethyl ester

RN 124832-26-4

RN 124832-27-5 (monoHCl)

MF C13 H20 N6 O4

MW 324.34

HDP Launched-1995

CO Aventis Pharma; GlaxoSmithKline; Shionogi; Theraplix

ED 15 May 2003

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03002.TIF

CO Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; KingChem Inc.; Lancaster Synthesis Inc.; Norchim S.A.; Pfaltz & Bauer, Inc.; Research Organics; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Synthetech Inc.; TCI

CO American Radiolabeled Chemicals, Inc.; Associacao Brasileira da Industria Farmoquimica (ABIQUIF); Dinamite Dipharma SpA; George Uhe Company, Inc.; ICM Industria Chimica Milanese SpA; ICN Biomedical Research Products; Interchem Corp.; Moravek Biochemicals Inc.; Pro.Bio.Sint SpA; Tessenger Chemie; Toronto Research Chemicals, Inc.; Zhejiang Xianju Charioteer

Pharmaceutical

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Biosynth International, Inc.; Clariant Corporation; Eastman Chemical Company; Fluka; ICN Biomedical Research Products; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Lonza Ltd.; Nantong Acetic Acid Chemical Factory; Pfaltz & Bauer, Inc.; Pride Solvents & Chemical Co.; Priya Limited; Shanghai Chemical Co., Ltd. of Local and by-Product; Shenyang International Trade Group; Sigma Chemical Company; Surging Ahead Chemicals; TCI; The Nippon Synthetic Chemical Industry Co., Ltd. (Nippon Gohsei); Wacker-Chemie GmbH; Wilshire Chemical Co., Inc.; Zhangjiagang Hope Chemicals Co., Ltd.; Zhuhai Qiaoji Overseas Trade Co., Ltd.

CO American Radiolabeled Chemicals, Inc.; Associacoo Brasileira da Industria Farmoquimica (ABIQUIF); Dinamite Dipharma SpA; George Uhe Company, Inc.; ICM Industria Chimica Milanese SpA; ICN Biomedical Research Products; Interchem Corp.; Moravek Biochemicals Inc.; Pro.Bio.Sint SpA; Tessenderlo Chemie; Toronto Research Chemicals, Inc.; Zhejiang Xianju Charioteer Pharmaceutical

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Alfa Aesar; American Ingredients, Inc.; Amino GmbH; Amresco Inc.; Buckton Scott Commodities Limited; Calbiochem - NovaBiochem Corporation; CBC Nanning Cenway Bioengineering Co., Ltd.; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; China Wellton Chemical; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fluka; Gillepi Chemicals ****SRL****; Gurvey & Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Maybridge Chemical Company, Ltd.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.; ****Peptide**** Institute, Inc.; Pfaltz & Bauer, Inc.; Priya Limited; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Sinochem Tianjin Imp. & Exp. Corporation; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import & Export Trading Co., Ltd.

PY ****1992****

PY 2001

L8 ANSWER 36 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN

AN 2002:512 SYNTHLINE

DN 202484

CN Squalamine; MSI-1256F

CN 3beta-(3-(4-Aminobutylamino)propylamino)-7alpha-hydroxy-24(R)-(sulfooxy)-5alpha-cholestane

RN 148717-90-2

RN 320725-47-1 (lactate)

MF C34 H65 N3 O5 S

MW 627.97

CC Bone Diseases, Treatment of; Lung Cancer Therapy; Metabolic drugs; Non-small Cell Lung Cancer Therapy; Ocular medications; Oncolytic drugs; Ophthalmic Drugs; Ovarian Cancer Therapy; Prostate Cancer Therapy; Solid Tumors Therapy; Treatment of Age-Related Macular Degeneration; Angiogenesis Inhibitors; Inhibitors of Signal Transduction Pathways; Mitogen-Activated Protein (MAP) Kinase Inhibitors; Na+/H+ Exchange Inhibitors; Vascular Endothelial Growth Factor (VEGF) Inhibitors

HDP Phase II

STA Actively Investigated

CO Genaera; Genaera

ED 15 Aug 2002

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03003.TIF

CO Sigma Chemical Company; SynChem, Inc.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; BASF Chemical Intermediates; Fluka; ICN Biomedical Research Products; Koei Chemical Company, Ltd.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI

CO Acros Organics; Aldrich; Alfa Aesar; Fluka; King's Research, Inc.; Lancaster Synthesis Inc.; Narchem Corporation

CO Acima AG; Acros Organics; Aldrich; Chemisphere Limited; Digital Specialty

Chemicals, Inc.; Dishman Pharmaceuticals & Chemicals Ltd.; Fluka; Hokko Chemical Industry Co., Ltd. - Fine Chemicals Division; ICN Biomedical Research Products; Lancaster Synthesis Inc.; Oakwood Products, Inc.; Pfaltz & Bauer, Inc.; Shanghai Pudong New Area Li Cheng Industry; Strem Chemicals, Inc.; TCI

CO Aldrich; KingChem Inc.; Pfaltz & Bauer, Inc.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Spectrum Quality Products, Inc.; SynChem, Inc.; TCI

CO Fluka; Sigma Chemical Company; Steraloids, Inc.

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Alfa Aesar; American Ingredients, Inc.; Amino GmbH; Amresco Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; CBC Nanning Cenway Bioengineering Co., Ltd.; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; China Wellton Chemical; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fluka; Giellepi Chemicals ****SRL****; Gurvey & Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Maybridge Chemical Company, Ltd.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.; ****Peptide**** Institute, Inc.; Pfaltz & Bauer, Inc.; Priya Limited; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Sinochem Tianjin Imp. & Exp. Corporation; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import & Export Trading Co., Ltd.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; BASF Chemical Intermediates; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Koei Chemical Company, Ltd; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Contract Chemicals Ltd.; Dolder Ltd.; Fluka; ICN Biomedical Research Products; Lancaster Synthesis Inc.; Narchem Corporation; Pfaltz & Bauer, Inc.; Raschig GmbH; Sigma Chemical Company; TCI; Tosoh Corporation; Wuhan Organic Chemical Industries; Wuhan Youji Industrial Company Limited; Wujin Jiangnan Fine Chemical Plant

CO Acros Organics; Aldrich; Alfa Aesar; Digital Specialty Chemicals, Inc.; ICN Biomedical Research Products; Lancaster Synthesis Inc.

PY ****1995****

PY ****1994****

PY ****1994****

PY ****1994****

PY ****1994****

PY ****1994****

PY ****1995****

PY ****1995****

PY 1998

PY ****1995****

PY ****1995****

PY ****1995****

PY ****1995****

PY 1998

PY 1998

PY 1999

PY 2000

PY 2001

PY 2001

PY 2002

PY 2002

L8 ANSWER 37 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN

AN 2002:26 SYNTHLINE

DN 200002

CN 100240; M-100240; MDL-100240

CN (4S,7S,12bR)-7-(2(S)-(Acetylsulfanyl)-3-phenylpropionamido)-6-oxo-1,2,3,4,6,7,8,12b-octahydropyrido(2,1-a)(2)benzazepine-4-carboxylic acid

RN 142695-08-7

MF C26 H28 N2 O5 S

MW 480.58

CC Cardiovascular drugs; Heart Failure Therapy; Hypertension, Treatment of; ACE Inhibitors; Neprilysin Inhibitors

HDP Phase II

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03004.TIF

CO AAE Chemie n.v.; ABCR GmbH & Co.; AccuStandard; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Borden & Remington Corporation; Chaozhou Yuedong Chemical & Light Industrial; Chem-Impex International, Inc.; Coleman Chemical Inc.; Crescent Organics Ltd.; Division Petrochimique Arfeen International (Pvt) Limited; Exim Corporation; Filo Chemical Incorporated; Fluka; FRP Services & Company; Gadiv Petrochemical Industries Ltd.; GFS Chemicals; Harcros Chemicals Inc.; Herdillia Chemicals Ltd.; IC Trading Company, Inc.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.; Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.; Mays Chemical Company, Inc.; Mitsubishi Gas Chemical Company, Inc.; Neste Oxo AB; Nippon Shokubai Co., Ltd.; Oltechim Romania; Parchem Trading Ltd.; PCL Oils & Solvents Ltd.; Pfaltz & Bauer, Inc.; Pt. Eterindo Wahanatama Tbk.; Rierden Chemical & Trading Company; Scharlau Laboratory Chemicals; Shanghai Haifan Industrial Corporation; Shijiazhuang Bailong Chemical Co., Ltd.; Shree Ambica Group of Companies; Sigma Chemical Company; Spectrum Quality Products, Inc.; Thirumalai Chemicals Ltd.; Tianjin Chemical Reagent Co., Inc.; Tianjin Chemical Reagent No. 1 Plant; TR International Trading Company, Inc.; U. S. Chemicals, Inc.; U-Jin Chemical Co., Ltd.; Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Vitusa Products, Inc.; Voigt Global Distribution; Xinglu Chemical Co., Ltd.; Zaklady Azotowe Kedzierzyn SA

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Aslchem International Inc.; BASF Chemical Intermediates; Fluka; Hao Rui Enterprises Limited; ICN Biomedical Research Products; Kawaken Fine Chemicals; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Omega Chemical Co., Inc.; Orichem International Ltd.; Pfaltz & Bauer, Inc.; Roschem Pacific Group; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Carbomer; Changzhou Changmao Biochemical Engineering; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Gillepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.; Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH & Co.

CO Fluka; Sigma Chemical Company; TCI

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Cambrex Corporation; Davos Chemical Corporation; Dolder Ltd.; Fluka; Frinton Laboratories; ICN Biomedical Research Products; Lancaster Synthesis Inc.; Narchem Corporation; PCAS; Pfaltz & Bauer, Inc.; S.I.M.S. s.r.l.; TCI

CO ABCR GmbH & Co.; Aldrich; Callery Chemical Company; Fluka; Lancaster Synthesis Inc.; Strem Chemicals, Inc.; TCI

CO Fluka; Sigma Chemical Company; TCI

PY 1999

PY 2002

PY ***1987***

PY 1999

PY 2002

PY 2002

PY ***1987***

PY 2002

PY ***1993***
PY 2002
PY 2002

L8 ANSWER 38 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2001:399 SYNTHLINE
DN 167785
CN Ioxipride; NCQ-298
CN (-)-(S)-N-(1-Ethyl-2-pyrrolidinylmethyl)-2-hydroxy-3-iodo-5,6-
dimethoxybenzamide
RN 124929-13-1 ((125I)-labeled); 124929-10-8 ((123I)-labeled)
MF C16 H23 I N2 O4
MW 434.28
CC Pharmacological tools; Dopamine D2 Antagonists
HDP Preclinical
CO AstraZeneca
ED 16 Mar 2001

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03005.TIF

CO Acros Organics; Advance Scientific & Chemical, Inc.; Ajay North America,
LLC.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Charkit
Chemical Corporation; Chemisphere Limited; Deepwater Chemicals; DSM Fine
Chemicals Inc.; Fluka; Gayatri Laboratories Pvt. Ltd.; George Uhe Company,
Inc.; GFS Chemicals; Graham Chemical Corporation; H&S Chemical Co. Inc.;
ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; Lancaster
Synthesis Inc.; Lansdowne Chemicals Plc.; NIPA Hardwicke Inc.; Pfaltz &
Bauer, Inc.; Salvi Chemical Industries; Sigma Chemical Company; Simafex;
Spectrum Quality Products, Inc.; TCI
CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.;
Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and
Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco
Inc.; AppliChem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth
International, Inc.; Buckton Scott Commodities Limited; CalbioChem -
NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.;
Chem-Implex International, Inc.; ChemPacific; China Wellton Chemical;
Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.;
Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Giellegi
Chemicals ***SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway
Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical
Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlau
Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster
Synthesis Inc.; Moravsek Biochemicals Inc.; Nanjing Machinery, Metals,
Minerals, Medicines & Health Products Import and Export Corporation; Omega
Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer,
Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind.
Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH;
Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum
Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance
Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.;
Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.
CO Acros Organics; FAR Research; Orgasynth; TCI
CO TCI
CO TCI
PY ***1990***
PY ***1991***
PY ***1989***
PY ***1987***
PY ***1991***

L8 ANSWER 39 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2001:391 SYNTHLINE
DN 144299
CN FLB-463
CN (S)-(-)-3-Bromo-N-(1-ethyl-2-pyrrolidinylmethyl)-2-hydroxy-5,6-
dimethoxybenzamide
RN 101460-66-6
RN 125198-22-3 (mesylate salt)
MF C16 H23 Br N2 O4
MW 387.28
CC Antipsychotic Drugs; Psychopharmacologic drugs; Dopamine D2 Antagonists
HDP Preclinical
CO AstraZeneca

ED 16 Mar 2001

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03006.TIF

CO Acros Organics; Advance Scientific & Chemical, Inc.; Ajay North America, LLC.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Charkit Chemical Corporation; Chemisphere Limited; Deepwater Chemicals; DSM Fine Chemicals Inc.; Fluka; Gayatri Laboratories Pvt. Ltd.; George Uhe Company, Inc.; GFS Chemicals; Graham Chemical Corporation; H&S Chemical Co. Inc.; ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; Lancaster Synthesis Inc.; Lansdowne Chemicals Plc.; NIPA Hardwicke Inc.; Pfaltz & Bauer, Inc.; Salvi Chemical Industries; Sigma Chemical Company; Simafex; Spectrum Quality Products, Inc.; TCI

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Gillepi Chemicals ****SRL****; Gurvey & Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravsek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.

CO Acros Organics; FAR Research; Orgasynth; TCI

CO TCI

CO TCI

PY ****1990****

PY ****1991****

PY ****1989****

PY ****1987****

L8 ANSWER 40 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN

AN 2001:353 SYNTHLINE

DN 271184

CN (1S,2S,4S)-N-(1,4-Dibenzyl-2-hydroxy-4-(2-(2-pyridinylmethoxycarboxamido)b enzamido)butyl)carbamic acid thiazol-5-ylmethyl ester

MF C37 H37 N5 O6 S

MW 679.79

CC AIDS Medicines; Antiinfective therapy; HIV Protease Inhibitors

HDP Preclinical

CO National Cancer Institute

ED 23 Feb 2001

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03007.TIF

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Carbomer; Changzhou Changmao Biochemical Engineering; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Gillepi Chemicals ****SRL****; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa

Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.; Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ****Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH & Co.

PY 1998

PY ***1994***

L8 ANSWER 41 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN

AN 2001:132 SYNTHLINE

DN 090782

CN Nabutan hydrochloride; Nabitan hydrochloride; SP-106; Abbott-4056; NIB; BPP (rac)-8-(3-Methyl-2-octyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2H-(1)benzopyrano(4,3-c)pyridin-10-yl 1-piperidinebutyrate hydrochloride; 1-Piperidinebutanoic acid 8-(1,2-dimethylheptyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2H-(1)benzopyrano(4,3-c)pyridin-10-yl ester hydrochloride; 5,5-Dimethyl-8-(3-methyl-2-octyl)-10-(4-(1-piperidyl)butyryloxy)-2-(2-propynyl)-1,2,3,4-tetrahydro-5H-(1)benzopyrano(3,4-d)pyridine hydrochloride

RN 49637-08-3

RN 66556-74-9 (free base)

MF C35 H52 N2 O3 . Cl H

MW 585.27

HDP Phase II

CO Abbott; Sisa

ED 26 Jan 2001

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03008.TIF

CO Acros Organics; Advanced ChemTech; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; BASF Chemical Intermediates; Bharat Jyoti; Cambrex Corporation; Catapharma (India) Pvt. Ltd.; Chem-Impex International, Inc.; D&O Chemicals, Inc.; Fisher Scientific; Fluka; Jubilant Organosys Limited; Koei Chemical Company, Ltd; Lancaster Synthesis Inc.; Lansdowne Chemicals Plc.; Omega Chemical Co., Inc.; Raschig GmbH; Reilly Industries, Inc.; Robinson Brothers Limited; Rutherford Chemicals; Schweizerhall Pharma; Sigma Chemical Company; Spectrum Quality Products, Inc.; SynPep Corporation; TCI; Vam Organic Chemicals Ltd.; Vasudha Pharma Chem Limited

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; AlliedSignal Inc. Specialty Chemicals; Biosynth International, Inc.; Chemada Fine Chemicals; Esprit Chemical Company; Fluka; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Tosoh Corporation; Wychem Limited

CO ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Asymchem; Changzhou Friendship Fine Chemicals; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; Chem-Impex International, Inc.; Davos Chemical Corporation; Dolder Ltd.; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Gillepi Chemicals ****SRL***; Hengdian Group; Huangyan Tianyu Chemical Factory; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; J.T. Baker; KingChem Inc.; Kunshan Shipu Niansha Auxiliary Agent; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Omega Chemical Co., Inc.; ****Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PHT International, Inc.; Rising Pharmaceutical International Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; SpeedChem Company; TCI; Ubichem plc; Xiamen Mchem Group; Xinchem Company; Zibo Jincheng Industry Co., Ltd. Chemical Factory

PY ***1980***

PY ***1976***

L8 ANSWER 42 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN

AN 2000:1833 SYNTHLINE

DN 207282

CN Ritonavir; A-84538; ABT-538; Norvir

CN N-(N-(2-Isopropylthiazol-4-ylmethyl)-N-methylcarbamoyl)-L-valine 1(S)-benzyl-3(S)-hydroxy-5-phenyl-4(S)-(thiazol-5-ylmethoxycarbonylamino)pentylamide

RN 155213-67-5

MF C37 H48 N6 O5 S2

MW 720.96
CC AIDS Medicines; Anti-HIV Agents; Antiinfective therapy; HIV Protease Inhibitors
HDP Launched-1996
CO Abbott; Dainippon Pharmaceutical
ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03009.TIF

- CO Aldrich; Chemada Fine Chemicals; Eurolabs Limited; Fluka; George Uhe Company, Inc.; Lancaster Synthesis Inc.; Loba Feinchemie AG; Wilshire Chemical Co., Inc.
- CO Advanced ChemTech; Aldrich; Chem-Impex International, Inc.; Fluka; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; NSC Technologies; Synthetech Inc.
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Boron Molecular Pty Ltd; Boulder Scientific Company; ChemPur Feinchemikalien und Forschungsbedarf GmbH; Combi-Blocks, Inc.; Digital Specialty Chemicals, Inc.; Fluka; Frontier Scientific, Inc.; ICN Biomedical Research Products; Lancaster Synthesis Inc.; Optima Chemical Group LLC; Pfaltz & Bauer, Inc.; Sanhe Chemport Chemicals Co.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Strem Chemicals, Inc.; Syngene; TCI; Varsal Fine Chemicals, Inc.; Whyte Chemicals Limited; Xinchem Company
- CO Acros Organics; AerChem Inc.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; BASF Chemical Intermediates; BKM Resources Inc.; Caledon Laboratories Limited; Electron Microscopy Services; Fisher Scientific; Fluka; GFS Chemicals; ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; Jiangsu Xinya Chemical Group Co.; Kemira Fine Chemicals Oy; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Merck KGaA; Midland Scientific, Inc.; Newton Group of Companies; Pechiney Chemicals Division; Pfaltz & Bauer, Inc.; Research Organics; Rierden Chemical & Trading Company; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Thomas Scientific; USB Corporation; Xiamen Mchem Group; Zhuhai Qiaoji Overseas Trade Co., Ltd.
- CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; Clariant Corporation; Fem Care Pharma Ltd.; Fluka; Graham Chemical Corporation; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Rhodia Fine Organics; Spectrum Quality Products, Inc.; TCI; Tessenderlo Fine Chemicals
- CO ABCR GmbH & Co.; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Asichem International Inc.; Fluka; Haarmann & Reimer; ICN Biomedical Research Products; J.T. Baker; Lancaster Synthesis Inc.; Oxford Chemicals Limited; Pfaltz & Bauer, Inc.; Rhodia Fine Organics; Sigma Chemical Company; Spectrum Quality Products, Inc.; Taizhou Donghai Chemical Co., Ltd.; TCI
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Bayer Corporation; Biddle Sawyer Corporation; Chem-Impex International, Inc.; Fluka; Great Lakes Chemical Corp.; H.W. Sands Corporation; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; Organix, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Sigma Chemical Company; SNPE Chemicals, Groups SNPE; Spectrum Quality Products, Inc.; TCI
- CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; Bright Evergreen Pte. Ltd.; Changzhou Hi-Tech Chemicals Limited; Changzhou New Area Jili Chemical Co., Ltd.; Changzhou Xinhua Chemical Product Co., Ltd.; D&O Chemicals, Inc.; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Goldmont Chemicals Corporation; JXMEC (Shenzhen) Enterprise Development Co., Ltd.; KingChem Inc.; Lancaster Synthesis Inc.; Maybridge Chemical Company, Ltd.; Olympus Services, LLC; Pfaltz & Bauer, Inc.; Seal Sands Chemicals Limited; Spectrum Quality Products, Inc.; SpeedChem Company; TCI; Trustchem Co., Ltd.; Wacker-Chemie GmbH; Wilshire Chemical Co., Inc.; Wujin Medicine Raw Material Chemical Factory; Zhuhai Qiaoji Overseas Trade Co., Ltd.
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Bayer Corporation; Biddle Sawyer Corporation; Chem-Impex International, Inc.; Fluka; Great Lakes Chemical Corp.; H.W. Sands Corporation; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; Organix, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Sigma Chemical Company; SNPE Chemicals, Groups SNPE; Spectrum Quality Products, Inc.; TCI
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI

CO Sigma Aldrich Library of Rare Chemicals
CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; AppliChem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Carbomer; Changzhou Changmao Biochemical Engineering; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellegi Chemicals
SRL ; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.; Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH & Co.
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; Brainerd Chemical Company, Inc.; Fluka; FrutArom Ltd (aroma chemicals); ICN Biomedical Research Products; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI
CO Advanced ChemTech; Aldrich; Chem-Impex International, Inc.; Indofine Chemical Company, Inc.; NSC Technologies; Synthetech Inc.
PY ***1994***
PY 1996
PY ***1994***
PY 1996
PY ***1994***
PY 1996
PY 1999
PY 2001
PY 1997
L8 ANSWER 43 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2000:1746 SYNTHLINE
DN 194644
CN Pregabalin; CI-1008; PD-144723
CN (+)-4-Amino-3(S)-isobutylbutyric acid; (+)-(S)-3-Isobutyl-GABA;
3(S)-(Aminomethyl)-5-methylhexanoic acid
RN 148553-50-8
MF C8 H17 N O2
MW 159.23
CC Analgesic and anesthetic drugs; Analgesic Drugs; Antiepileptic Drugs; Anxiolytics; Diabetic Neuropathy, Agents for; Endocrine drugs; Fibromyalgia, Treatment of; Generalized Anxiety Disorder (GAD), Treatment of; Neurologic drugs; Neurologic Drugs (Miscellaneous); Neuropathic Pain, Treatment of; Psychopharmacologic drugs; Sensation Disorders, Treatment of; Social Phobia, Treatment for; Treatment of Diabetic Complications; Other Drugs Acting on GABA-Mediated Transmission
HDP Pre-Registered
STA Actively Investigated
CO Pfizer
ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03010.TIF

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Contract Chemicals Ltd.; Davos Chemical Corporation; Epsilon Chimie; Eurolabs Limited; Fluka; Great Lakes Chemical Corp.; Indofine Chemical Company, Inc.; King's Research, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Purecha Group; Sigma Chemical Company; Sinobrom Limited; TCI
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; Alltech Associates, Inc.; American Radiolabeled Chemicals, Inc.; Bedoukian Research, Inc.; Davos Chemical Corporation; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Lancaster Synthesis Inc.; Oakwood Products, Inc.; PCAS; Pfaltz &

CO Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI
CO PCAS; Pfaltz & Bauer, Inc.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; AlliedSignal Inc.
Specialty Chemicals; American Radiolabeled Chemicals, Inc.; Chemada Fine
Chemicals; Contract Chemicals Ltd.; Davos Chemical Corporation; Fine &
Performance Chemicals Ltd.; Fluka; ISP Fine Chemicals; King's Research,
Inc.; Lancaster Synthesis Inc.; Maybridge Chemical Company, Ltd.; Omega
Chemical Co., Inc.; PCAS; Pfaltz & Bauer, Inc.; Purecha Group; Sigma
Chemical Company; Sinobrom Limited; Spectrum Quality Products, Inc.; TCI

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances;
Alfa Aesar; Alltech Associates, Inc.; American Radiolabeled Chemicals,
Inc.; Bedoukian Research, Inc.; Davos Chemical Corporation; Fluka; ICN
Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec
Inc.; Lancaster Synthesis Inc.; Oakwood Products, Inc.; PCAS; Pfaltz &
Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI

CO PCAS; Pfaltz & Bauer, Inc.

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advance Scientific &
Chemical, Inc.; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar;
American Radiolabeled Chemicals, Inc.; Biddle Sawyer Corporation;
Boehringer Ingelheim GMBH; Changzhou Foreign Trade Corporation; Changzhou
United Chemical Co., Ltd.; China Jiangsu Medicines & Health Products I/E
(Group) Corporation; China National Chemical Construction Corporation;
CreaNova, Inc.; Davos Chemical Corporation; Filo Chemical Incorporated;
Fluka; G.J. Chemical Company, Inc.; Graham Chemical Corporation; Grau
Aromatics GmbH & Co. KG; Huantai Xinhua Fine Chemical Co., Ltd.; ICN
Biomedical Research Products; Isotec Inc.; Kessler Chemical, Inc.;
Lancaster Synthesis Inc.; Lonza Ltd.; Mallinckrodt Laboratory Chemicals;
Midland Scientific, Inc.; Moravek Biochemicals Inc.; Pfaltz & Bauer, Inc.;
PHT International, Inc.; Red Star Chemical Plant; Roschem Pacific Group;
Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Sinochem
Jiangsu Wuxi Imp. & Exp. Corporation; Spectrum Quality Products, Inc.;
TCI; Tianjin Dongli Welfare Organic Chemical Plant; Ubichem plc; Weifang
Common Chem Co., Ltd.; Wilshire Chemical Co., Inc.; Xi'an Lijian Chemical
Co., Ltd.; Xinchem Company; Zhuhai Qiaoji Overseas Trade Co., Ltd.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances;
Alfa Aesar; Bedoukian Research, Inc.; Celanese, Ltd.; Davos Chemical
Corporation; Elan Chemical Company, Inc.; Fluka; ICN Biomedical Research
Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.;
Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI; Toyo Gosei Co., Ltd.

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products &
Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich
Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.;
Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical
Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities
Limited; CalbioChem - NovaBiochem Corporation; CBC Nanning Cenway
Bioengineering Co., Ltd.; Changzhou Shenlong Bio-Engineering Co., Ltd.;
Chem-Impex International, Inc.; ChemPacific; Chongqin Justit Industries
Co., Ltd.; Coleman Chemical Inc.; DNP International Co., Inc.; Donboo
Amino Acid Company Ltd.; Fisher Scientific; Flamma S.p.A. (Fabbrica
Lombarda Amminoacidi); Fluka; Giellegi Chemicals ****SRL****; Gurvey &
Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical
Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu
Huachang Group Co., Ltd.; Karlhan Research Products; Kyowa Hakko Kogyo Co.,
Ltd.; L.S. Raw Materials Ltd.; Lancaster Synthesis Inc.; Mallinckrodt
Laboratory Chemicals; Moravek Biochemicals Inc.; Nanjing Machinery,
Metals, Minerals, Medicines & Health Products Import and Export
Corporation; Noveon, Inc.; Oakwood Products, Inc.; Omega Chemical Co.,
Inc.; Orgasynth; ****Peptide**** Institute, Inc.; Pfaltz & Bauer, Inc.;
Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals,
Inc.; Shandong Zhenxing Chemical Industry Co., Ltd.; Shine Star (Hubei)
Biological Engineering Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.;
Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber
Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine
Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import & Export Trading
Co., Ltd.

CO Pfaltz & Bauer, Inc.

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar;
American Radiolabeled Chemicals, Inc.; Biddle Sawyer Corporation;
Changzhou Foreign Trade Corporation; Changzhou Friendship Fine Chemicals;
China National Chemical Construction Corporation; CreaNova, Inc.; D&O
Chemicals, Inc.; Deluxe Groups of Companies; Fluka; G.J. Chemical Company,
Inc.; Huantai Xinhua Fine Chemical Co., Ltd.; ICN Biomedical Research
Products; JXMEC (Shenzhen) Enterprise Development Co., Ltd.; Karnavati
Chemicals; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Lonza Ltd.;
Pfaltz & Bauer, Inc.; PHT International, Inc.; Spectrum Quality Products,

Inc.; Su-Vi Pharmaceuticals and Chemicals Limited; TCI; Weifang Common Chem Co., Ltd.; Wilshire Chemical Co., Inc.; Xinchem Company

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Changzhou Foreign Trade Corporation; Changzhou Friendship Fine Chemicals; Changzhou Medical Raw Material Factory; Changzhou United Chemical Co., Ltd.; Chemphar; Connect Chemicals GmbH; CreaNova, Inc.; Davos Chemical Corporation; Dolder Ltd.; Fluka; ICN Biomedical Research Products; Jiangsu Wujin Hutang Secondary Finechemical Plant; Jiangxi Kingnord Industrial Limited; JXMEC (Shenzhen) Enterprise Development Co., Ltd.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Rudong Tongyuan Fine Chemical Factory; Sichuan Sangao Biochemical Co., Ltd.; Su-Vi Pharmaceuticals and Chemicals Limited; TCI; Wujin Hengfeng Chemical Plant; Xinchem Company; Zhuhai Qiaoji Overseas Trade Co., Ltd.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; Bedoukian Research, Inc.; Celanese, Ltd.; Davos Chemical Corporation; Elan Chemical Company, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI; Toyo Gosei Co., Ltd.

CO ABCR GmbH & Co.; AccuStandard; Acros Organics; Advanced Synthesis Technologies, S.A.; Aldrich; Alfa Aesar; Bayer Corporation; BP Amoco Lima Chemicals; China Petrochemical Development Corporation; Cytotec Industries Inc.; Division Petrochimique Arfeen International (Pvt) Limited; Dixie Chemical Company, Inc.; Fluka; Goodfellow; Haresh Kumar & Co.; Helm AG; ICN Biomedical Research Products; Isca Limited; Isotec Inc.; Lancaster Synthesis Inc.; Midland Scientific, Inc.; New East Grace International Corporation; Organix, Inc.; Pfaltz & Bauer, Inc.; Prasanthi Laboratories Pvt. Ltd.; Shanghai Gaoqiao Chemical Plant; Sigma Solvents Pvt. Ltd.; Sumitomo Chemicals Co., Ltd.; TCI; Thomas Baker (Chemicals) Ltd.; Tianjin Chemical Reagent Co., Inc.; Ultimate Chem (India) Pvt. Ltd.; Xinglu Chemical Co., Ltd.; Zhejiang Xinan Chemical Industrial Group Co., Ltd.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; BASF Chemical Intermediates; Celanese, Ltd.; Eastman Chemical Company; Elan Chemical Company, Inc.; Fluka; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Moore Ingredients, Ltd.; Neste Oxo AB; Pfaltz & Bauer, Inc.; Sunoco Chemicals; TCI

PY ***1994***

PY 1999
 PY 1999
 PY 1997
 PY 1999
 PY 1997
 PY 1999
 PY 1999
 PY 1999
 PY 1997
 PY 1999
 PY 1997

L8 ANSWER 44 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
 AN 2000:1696 SYNTHLINE
 DN 187249
 CN Telinavir; SC-52151
 CN N-(Quinolin-2-ylcarbonyl)-asparagine 1(S)-benzyl-3-(3-tert-butyl-1-isobutylureido)-2(R)-hydroxypropylamide
 RN 143224-34-4
 MF C33 H44 N6 O5
 MW 604.76
 CC AIDS Medicines; Anti-HIV Agents; Antiinfective therapy; HIV Protease Inhibitors
 HDP Phase III
 CO Pharmacia
 ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03011.TIF

CO ABCR GmbH & Co.; Air Products & Chemicals, Inc.; Aldrich; Alfa Aesar; Celanese, Ltd.; Coleman Chemical Inc.; Elan Chemical Company, Inc.; Fluka; Graham Chemical Corporation; ICN Biomedical Research Products; Koei Chemical Company, Ltd.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI

CO Acros Organics; Advanced ChemTech; Aldrich; Chem-Impex International, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; NSC Technologies; Pfaltz & Bauer, Inc.; Research Organics; Sichuan Sangao Biochemical Co.,

CO Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; TCI
 CO Aldrich; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Rhodia
 CO Fine Organics; TCI
 CO Sigma Chemical Company
 CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advance Scientific &
 Chemical, Inc.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals,
 Inc.; Boehringer Ingelheim GmbH; Chemada Fine Chemicals; Chem-Impex
 International, Inc.; ChemPur Feinchemikalien und Forschungsbedarf GmbH;
 Contract Chemicals Ltd.; Eurolabs Limited; Fluka; Graham Chemical
 Corporation; ICN Biomedical Research Products; Isotec Inc.; Laizhou Salt
 Industrial Group; Lancaster Synthesis Inc.; Mallinckrodt Laboratory
 Chemicals; Midland Scientific, Inc.; Narchem Corporation; Oakwood
 Products, Inc.; Ocean Chemicals Group; Omega Chemical Co., Inc.; Pfaltz &
 Bauer, Inc.; Purecha Group; Sigma Chemical Company; Sinobrom Limited;
 Spectrum Quality Products, Inc.; TCI; Ubichem plc
 CO ABCR GmbH & Co.; Air Products & Chemicals, Inc.; Aldrich; Alfa Aesar;
 Celanese, Ltd.; Coleman Chemical Inc.; Elan Chemical Company, Inc.; Fluka;
 Graham Chemical Corporation; ICN Biomedical Research Products; Koei
 Chemical Company, Ltd; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.;
 Sigma Chemical Company; TCI
 CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
 Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products &
 Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich
 Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.;
 Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical
 Co., Ltd.; Buckton Scott Commodities Limited; Calbiochem - NovaBiochem
 Corporation; Carbomer; Changzhou Changmao Biochemical Engineering;
 Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International,
 Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa
 Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.;
 DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellegi Chemicals
 ****SRL*** ; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products;
 Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka
 Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa
 Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory
 Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.;
 Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies;
 Omega Chemical Co., Inc.; ****Peptide*** Institute, Inc.; Pfaltz &
 Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver
 Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.;
 Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber
 Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH &
 Co.
 CO Aldrich; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Rhodia
 CO Fine Organics; TCI
 CO Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Asymchem; Biosynth
 International, Inc.; Carbomer; Chem-Impex International, Inc.; ChiraChem;
 Davos Chemical Corporation; Fluka; George Uhe Company, Inc.; Indofine
 Chemical Company, Inc.; Lancaster Synthesis Inc.; LHA Chempharma Co.,
 Ltd.; NSC Technologies; Omega Chemical Co., Inc.; Pfaltz & Bauer, Inc.;
 Research Organics; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical
 Company; SK Energy and Chemical, Inc.; Suzhou Hengyi Pharmaceuticals;
 Suzhou Henyi Pharmaceuticals Co., Ltd.; Synthetech Inc.; TCI; Wilshire
 Chemical Co., Inc.
 CO Aldrich; Lancaster Synthesis Inc.; NSC Technologies; Synthetech Inc.
 PY ****1993***
 PY ****1993***
 PY 1997

L8 ANSWER 45 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
 AN 2000:1553 SYNTHLINE
 DN 168103
 CN Saquinavir mesilate; Ro-31-8959/003; Fortovase; Fortovase; Invirase
 CN N-tert-Butyl-2-(2(R)-hydroxy-4-phenyl-3(S)-((N-(2-quinoly)carbonyl)-L-
 asparaginy)amino)butyl)decahydro-(4a(S),8a(S))-isoquinoline-3(S)-carboxamide
 methanesulfonate; N1-(1(S)-Benzyl-3-(4a(S),8a(S),3(S)-(tert-
 butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-
 2-ylcarbonyl)-L-asparaginamide methanesulfonate
 RN 149845-06-7
 RN 127779-20-8 (free base)
 MF C38 H50 N6 O5 . C H4 O3 S
 MW 766.96
 CC AIDS Medicines; Anti-HIV Agents; Antiinfective therapy; HIV Protease
 Inhibitors
 HDP Launched-1995
 CO Chugai; Chugai; Roche

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03012.TIF

- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; Electron Microscopy Services; Fabrichem, Inc.; Fluka; ICN Biomedical Research Products; Jiangsu Wujin Zhenhua Chemical Plant; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Ningbo Research & Design Institute of Chemical Industry; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Wellwing Trading Company; Xiamen Mchem Group
- CO ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; ChemPur Feinchemikalien und Forschungsbedarf GmbH; D&O Chemicals, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; NSC Technologies; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research Organics; Sichuan Sangao Biochemical Co., Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Synthetech Inc.; TCI
- CO Acros Organics; Advanced ChemTech; Aldrich; Chem-Impex International, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; NSC Technologies; Pfaltz & Bauer, Inc.; Research Organics; Sichuan Sangao Biochemical Co., Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; TCI
- CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; Allchem International Ltd.; Buckton Scott Commodities Limited; Changzhou Hi-Tech Chemicals Limited; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; C-Tech Corporation; Esprit Chemical Company; Fluka; FRP Services & Company; Huangyan Wanfeng Chemical Factory; ICN Biomedical Research Products; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Syntesia Chemie GMBH; TCI; Xiamen Mchem Group; Xinchem Company
- CO Aldrich; Davos Chemical Corporation; FAR Research; Fluka; Gelest Inc.; Oakwood Products, Inc.; Pfaltz & Bauer, Inc.; TCI
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Digital Specialty Chemicals, Inc.; Fluka; Lancaster Synthesis Inc.; Midori Kagaku Co., Ltd.; TCI
- CO Daiso Co., Ltd.; Omega Chemical Co., Inc.
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Pfaltz & Bauer, Inc.; Saurefabrik Schweizerhall; SF-Chem; Sigma Chemical Company; TCI
- CO ABCR GmbH & Co.; AccuStandard; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Alfa Aesar; Analytyka; Bann Quimica Ltda.; BASF Chemical Intermediates; Bayer Corporation; Caledon Laboratories Limited; Changfeng Chemical Co., Ltd.; Chemicals World; Coleman Chemical Inc.; First Chemical Corporation; Fisher Scientific; Fluka; Fronine Pty. Ltd.; G.J. Chemical Company, Inc.; GFS Chemicals; Hindustan Organic Chemicals Ltd.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; Karlan Research Products; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Manuel Vilaseca S.A.; Merck KGaA; Midland Scientific, Inc.; Narmada Chematur Petrochemicals Limited; New East Grace International Corporation; Ningbo Haili Chemical Industry Co., Ltd.; Organix, Inc.; Pfaltz & Bauer, Inc.; Priya Limited; Sigma Chemical Company; Spectrum Quality Products, Inc.; Sunoco Chemicals; Thomas Baker (Chemicals) Ltd.; Thomas Scientific; Tianjin Chemical Reagent No. 1 Plant; Voigt Global Distribution; Xiamen Mchem Group; Zhejiang Xinan Chemical Industrial Group Co., Ltd.; Zhuhai Qiaoji Overseas Trade Co., Ltd.
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Boehringer Ingelheim GMBH; Fluka; FRP Services & Company; GFS Chemicals; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Liaoning Anshan Beida Synthetic Chemical Factory; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Ubichem plc
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- CO Merck KGaA; New East Grace International Corporation

CO AccuStandard; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI

CO Acros Organics; Aldrich; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; TCI; Wychem Limited

CO ABCR GmbH & Co.; AccuStandard; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Alfa Aesar; Analytyka; Bann Quimica Ltda.; BASF Chemical Intermediates; Bayer Corporation; Caledon Laboratories Limited; Changfeng Chemical Co., Ltd.; Chemicals World; Coleman Chemical Inc.; First Chemical Corporation; Fisher Scientific; Fluka; Fronine Pty. Ltd.; G.J. Chemical Company, Inc.; GFS Chemicals; Hindustan Organic Chemicals Ltd.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; Karlan Research Products; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Manuel Vilaseca S.A.; Merck KGaA; Midland Scientific, Inc.; Narmada Chematur Petrochemicals Limited; New East Grace International Corporation; Ningbo Haili Chemical Industry Co., Ltd.; Organix, Inc.; Pfaltz & Bauer, Inc.; Priya Limited; Sigma Chemical Company; Spectrum Quality Products, Inc.; Sunoco Chemicals; Thomas Baker (Chemicals) Ltd.; Thomas Scientific; Tianjin Chemical Reagent No. 1 Plant; Voigt Global Distribution; Xiamen Mchem Group; Zhejiang Xinan Chemical Industrial Group Co., Ltd.; Zhuhai Qiaoji Overseas Trade Co., Ltd.

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CO AccuStandard; Acros Organics; Advance Scientific & Chemical, Inc.; Advanced Synthesis Technologies, S.A.; Airgas; Aldrich; Alfa Aesar; Alltech Associates, Inc.; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Bayer Corporation; Beijing Eastern Chem Works; BKM Resources Inc.; BP Amoco Lima Chemicals; Caledon Laboratories Limited; Captree Chemical Corporation; Dahua Group Ltd.; ExxonMobil Chemicals Company; Fisher Scientific; Fluka; Foosung Corporation; FrutArom (laboratory chemicals); FrutArom Ltd (aroma chemicals); Gadiv Petrochemical Industries Ltd.; Gallade Chemical Inc.; Gayatri Laboratories Pvt. Ltd.; GFS Chemicals; ICN Biomedical Research Products; Isca Limited; Isotec Inc.; Jayman Industries; Jiangdu Lida Chemical Co., Ltd.; Jintan Hongyuan Material Co., Ltd.; Lancaster Synthesis Inc.; Merck KGaA; Midland Scientific, Inc.; Moravek Biochemicals Inc.; Organix, Inc.; Pfaltz & Bauer, Inc.; Pliva - Lachema a.s., od tepn.+- zavod Neratovice; PPD Chemicals s.r.o.; Prasanthi Laboratories Pvt. Ltd.; Pure Chemicals Co.; Romil Ltd.; Scott Medical Products; Shanghai Meishan Chemical Company; Shell Chemical Company; Shrieve Chemical Company - Shrieve Chemical Products, Inc.; Sigma Chemical Company; Sinopec Anging Company; Spectrum Quality Products, Inc.; Sumitomo Chemicals Co., Ltd.; Sunoco Chemicals; TCI; The Plaza Group; Thomas Baker (Chemicals) Ltd.; Thomas Scientific; Tianjin Chemical Reagent Co., Inc.; Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Voigt Global Distribution; Zhejiang Xinan Chemical Industrial Group Co., Ltd.

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; Allchem International Ltd.; Buckton Scott Commodities Limited; Changzhou Hi-Tech Chemicals Limited; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; C-Tech Corporation; Esprit Chemical Company; Fluka; FRP Services & Company; Huangyan Wanfeng Chemical Factory; ICN Biomedical Research Products; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Syntesia Chemie GMBH; TCI; Xiamen Mchem Group; Xinchem Company

CO AccuStandard; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI

CO Aarti Industries Ltd.; AccuStandard; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Bann Quimica Ltda.; Clarisis Organics; First Chemical Corporation; Fisher Scientific; Fluka; G.J. Chemical Company, Inc.; GFS Chemicals; Hindustan Organic Chemicals Ltd.; ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; JXMEC (Shenzhen) Enterprise Development Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Manuel Vilaseca S.A.; Moravek Biochemicals Inc.; Narmada Chematur Petrochemicals Limited; Ningbo Haili Chemical Industry Co., Ltd.; Organix, Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Somu Group; Spectrum Quality Products, Inc.; Tianjin Chemical Reagent Co., Inc.; Voigt Global Distribution

CO Acros Organics; Aldrich; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; TCI; Wychem Limited

- CO ABCR GmbH & Co.; AccuStandard; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Alfa Aesar; Analytyka; Bann Quimica Ltda.; BASF Chemical Intermediates; Bayer Corporation; Caledon Laboratories Limited; Changfeng Chemical Co., Ltd.; Chemicals World; Coleman Chemical Inc.; First Chemical Corporation; Fisher Scientific; Fluka; Fronine Pty. Ltd.; G.J. Chemical Company, Inc.; GFS Chemicals; Hindustan Organic Chemicals Ltd.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; Karl Research Products; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Manuel Vilaseca S.A.; Merck KGaA; Midland Scientific, Inc.; Narmada Chematur Petrochemicals Limited; New East Grace International Corporation; Ningbo Haili Chemical Industry Co., Ltd.; Organix, Inc.; Pfaltz & Bauer, Inc.; Priya Limited; Sigma Chemical Company; Spectrum Quality Products, Inc.; Sunoco Chemicals; Thomas Baker (Chemicals) Ltd.; Thomas Scientific; Tianjin Chemical Reagent No. 1 Plant; Voigt Global Distribution; Xiamen Mchem Group; Zhejiang Xinan Chemical Industrial Group Co., Ltd.; Zhuhai Qiaoji Overseas Trade Co., Ltd.
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Boehringer Ingelheim GMBH; Fluka; FRP Services & Company; GFS Chemicals; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Liaoning Anshan Beida Synthetic Chemical Factory; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Ubichem plc
- CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; Allchem International Ltd.; Buckton Scott Commodities Limited; Changzhou Hi-Tech Chemicals Limited; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; C-Tech Corporation; Esprit Chemical Company; Fluka; FRP Services & Company; Huangyan Wanfeng Chemical Factory; ICN Biomedical Research Products; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Syntesia Chemie GMBH; TCI; Xiamen Mchem Group; Xinchem Company
- CO AccuStandard; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI
- CO Acros Organics; Aldrich; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; TCI; Wychem Limited
- CO AccuStandard; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI
- CO ABCR GmbH & Co.; AccuStandard; Acros Organics; Aldrich; Alfa Aesar; Amrutnjan Fine Chemicals; Boron Molecular Pty Ltd; Esprit Chemical Company; Fluka; Jiangsu Provincial Foreign Trade Corporation; Jingjiang Malong Chemical Manufacturing Co., Ltd.; King's Research, Inc.; Lancaster Synthesis Inc.; Merck KGaA; Miaoqiao Synthesis Chemical; Narchem Corporation; Oakwood Products, Inc.; Ocean Chemicals Group; Pfaltz & Bauer, Inc.; Shouguang Fukang Pharmaceutical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Wychem Limited
- CO ABCR GmbH & Co.; Oakwood Products, Inc.; Trans World Chemicals Inc.
- CO ABCR GmbH & Co.; AccuStandard; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Alfa Aesar; Analytyka; Bann Quimica Ltda.; BASF Chemical Intermediates; Bayer Corporation; Caledon Laboratories Limited; Changfeng Chemical Co., Ltd.; Chemicals World; Coleman Chemical Inc.; First Chemical Corporation; Fisher Scientific; Fluka; Fronine Pty. Ltd.; G.J. Chemical Company, Inc.; GFS Chemicals; Hindustan Organic Chemicals Ltd.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; Karl Research Products; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Manuel Vilaseca S.A.; Merck KGaA; Midland Scientific, Inc.; Narmada Chematur Petrochemicals Limited; New East Grace International Corporation; Ningbo Haili Chemical Industry Co., Ltd.; Organix, Inc.; Pfaltz & Bauer, Inc.; Priya Limited; Sigma Chemical Company; Spectrum Quality Products, Inc.; Sunoco Chemicals; Thomas Baker (Chemicals) Ltd.; Thomas Scientific; Tianjin Chemical Reagent No. 1 Plant; Voigt Global Distribution; Xiamen Mchem Group; Zhejiang Xinan Chemical Industrial Group Co., Ltd.; Zhuhai Qiaoji Overseas Trade Co., Ltd.
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Boehringer Ingelheim GMBH; Fluka; FRP Services & Company; GFS Chemicals; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Liaoning Anshan Beida Synthetic Chemical Factory; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Ubichem plc
- CO AccuStandard; Acros Organics; Advance Scientific & Chemical, Inc.; Advanced Synthesis Technologies, S.A.; Airgas; Aldrich; Alfa Aesar; Alltech Associates, Inc.; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Bayer Corporation; Beijing Eastern Chem

Works; BKM Resources Inc.; BP Amoco Lima Chemicals; Caledon Laboratories Limited; Captree Chemical Corporation; Dahua Group Ltd.; ExxonMobil Chemicals Company; Fisher Scientific; Fluka; Foosung Corporation; FrutArom (Laboratory chemicals); FrutArom Ltd (aroma chemicals); GadiV Petrochemical Industries Ltd.; Gallade Chemical Inc.; Gayatri Laboratories Pvt. Ltd.; GFS Chemicals; ICN Biomedical Research Products; Isca Limited; Isotec Inc.; Jayman Industries; Jiangdu Lida Chemical Co., Ltd.; Jintan Hongyuan Material Co., Ltd.; Lancaster Synthesis Inc.; Merck KGaA; Midland Scientific, Inc.; Moravek Biochemicals Inc.; Organix, Inc.; Pfaltz & Bauer, Inc.; Pliva - Lachema a.s., od tepn.+-. zavod Neratovice; PPD Chemicals s.r.o.; Prasanthi Laboratories Pvt. Ltd.; Pure Chemicals Co.; Romil Ltd.; Scott Medical Products; Shanghai Meishan Chemical Company; Shell Chemical Company; Shrieve Chemical Company - Shrieve Chemical Products, Inc.; Sigma Chemical Company; Sinopec Anqing Company; Spectrum Quality Products, Inc.; Sumitomo Chemicals Co., Ltd.; Sunoco Chemicals; TCI; The Plaza Group; Thomas Baker (Chemicals) Ltd.; Thomas Scientific; Tianjin Chemical Reagent Co., Inc.; Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Voigt Global Distribution; Zheijang Xinan Chemical Industrial Group Co., Ltd.

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CO AccuStandard; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI

CO Aarti Industries Ltd.; AccuStandard; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Bann Quimica Ltda.; Clarisis Organics; First Chemical Corporation; Fisher Scientific; Fluka; G.J. Chemical Company, Inc.; GFS Chemicals; Hindustan Organic Chemicals Ltd.; ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; JXMEC (Shenzhen) Enterprise Development Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Manuel Vilaseca S.A.; Moravek Biochemicals Inc.; Narmada Chematur Petrochemicals Limited; Ningbo Haili Chemical Industry Co., Ltd.; Organix, Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Somu Group; Spectrum Quality Products, Inc.; Tianjin Chemical Reagent Co., Inc.; Voigt Global Distribution

CO Acros Organics; Aldrich; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; TCI; Wychem Limited

CO Foosung Corporation; Shell Chemical Company

CO New East Grace International Corporation

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; Calbiochem - NovaBiochem Corporation; Carbomer; Changzhou Changmao Biochemical Engineering; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellepi Chemicals

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CO Acros Organics; Advanced ChemTech; Aldrich; Chem-impex International, Inc.; Farchemia S.r.l.; Fluka; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Maybridge Chemical Company, Ltd.; NSC Technologies; PepTech Corporation; TCI; Zhejiang Huahai Pharmaceutical Co., Ltd.

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PY 1998
PY 1998
PY ***1991***

TX Various new routes for the large-scale synthesis of Ro-31-8959 have been described: 1) The condensation of N-protected-L-phenylalanine (I) with the Mg salt of malonic acid monoethyl ester (II) gives the keto ester (III), which is enantioselectively reduced with NaBH₄ to yield the hydroxy ester (IV). The reaction of (IV) with 2,2-dimethoxypropane (V) by means of p-toluenesulfonic acid affords the oxazolidine (VI), which is hydrolyzed with NaOH in ethanol/water to the corresponding acid (VII). The treatment of (VII) with oxalyl chloride, mercaptopyridine-N-oxide (MPO) and bromotrichloromethane affords the bromomethyloxazolidine (VIII), which, without isolation, is treated with acetic acid to give the N-protected 3(S)-amino-2-bromo-4-phenyl-2(S)-butanol (IX). The reaction of (IX) with KOH in methanol yields the epoxide (X), which is condensed with (3S,4aS,8aS)-N-tert-butyldecahydroisoquinoline-3-carboxamide (XI), yielding the protected condensation product (XII). The deprotection of the amino group of (XII) by hydrogenation with H₂ over Pd/C affords the amino derivative (XIII), which is condensed with N-benzoyloxycarbonyl-asparagine (XIV) in the usual way, giving the protected ***peptide*** (XV). The deprotection of (XV) as before yields compound (XVI), with a free amino group that is finally condensed with quinoline-2-carboxylic acid (XVII) by means of dicyclohexylcarbodiimide and hydroxybenzotriazole.

TX 2) The condensation of N-phthaloyl-L-phenylalaninyl chloride (XVIII) with 1,1,2-tris(trimethylsilyloxy)ethylene (TMS) (XIX) at 90-100 °C followed by acidic hydrolysis with HCl gives the acid (XX), which, without isolation, is decarboxylated, yielding 1-hydroxy-3(S)-phthalimido-4-phenyl-2-butanone (XXI). Sequential protection of the OH- group with dihydropyran, reduction of the CO group with NaBH₄, mesylation of the resulting OH group with methanesulfonyl chloride and deprotection of the primary OH group gives 2(R)-(methanesulfonyloxy)-4-phenyl-3(S)-phthalimido-1-butanol (XXII). The epoxidation of (XXII) with potassium tert-butoxide yields the epoxide (XXIII), which is condensed with the decahydroisoquinoline (XI) as before, affording the protected condensation product (XXIV). The elimination of the phthalimido group of (XXIV) with methylamine and HCl gives the amino derivative (XIII), already obtained in scheme 16810301a.

TX 3) The condensation of N-(tert-butoxycarbonyl)-L-phenylalaninal (XXV) with 2-(trimethylsilyl)thiazole (XXVI) by means of tetrabutylammonium fluoride gives the thiazole derivative (XXVII), which is cleaved by reaction with methyl iodide (formation of the thiazolium derivative) and treated with NaBH₄ and HgCl₂ to afford the protected 3(S)-amino-2(S)-hydroxy-4-phenylbutanal (XXVIII). Finally, this compound is reductocondensed with isoquinoline (XI) by means of sodium cyanoborohydride to yield the protected condensation product (XII), already obtained in scheme 16810301a.

TX 4) The selective esterification of 3(S)-azido-4-phenylbutane-1,2(S)-diol (XXIX) with 2,4,6-triisopropylbenzenesulfonyl chloride (XXX) gives the sulfonate ester (XXXI), which by treatment with KOH is converted to the azido epoxide (XXXII). The condensation of (XXXII) with decahydroisoquinoline (XI) affords the azido condensation product (XXXIII), which is finally hydrogenated with H₂ over Pd/C to the amino condensation product (XIII), already obtained in scheme 16810301a. 5) The reaction of (XXIX) with SOCl₂ and RuCl₃ gives the dioxathiole dioxide (XXXIV), which is condensed with decahydroisoquinoline (XI) to afford the azido condensation product (XXXIII), already obtained.

TX (14C)-saquinavir: The cyclization of (ring-14C)-aniline (I) with crotonic aldehyde (II) by means of HCl and acetic anhydride gives labeled 2-methylquinoline (III), which is brominated with Br₂ in acetic acid yielding the tribromo derivative (IV). The hydrolysis of (IV) with hot sulfuric acid afforded labeled quinoline-2-carboxylic acid (V), which is finally condensed with Ro-32-0445 (VI) by means of hydroxybenzotriazole (HOBT) and dicyclohexylcarbodiimide (DCC) in THF.

TX Pentadeuterated saquinavir: The nitration of hexadeuterobenzene (VII) with HNO₃/H₂SO₄ gives pentadeuteronitrobenzene (VIII), which is hydrogenated with deuterium/Pt in D₂O yielding heptadeuteroaniline (IX). The cyclization of (IX) with crotonic aldehyde (II) by means of DCI/D₂O and acetic anhydride as before affords hexadeuterated quinoline (X), which is brominated with Br₂ as before giving the tribromo derivative (XI). The hydrolysis of (XI) with sulfuric acid as before yields the acid (XII), which is finally condensed with Ro-32-0445 (VI) as before.

TX Tetradeuterated saquinavir: The cyclization of heptadeuteroaniline (IX) with crotonic aldehyde (II) by means of HCl and acetic anhydride as before

gives the tetradeuteroquinoline (XIII), which is brominated as described yielding the tribromo derivative (XIV). The hydrolysis of (XIV) with sulfuric acid affords tetradeuterated acid (XV), which is finally condensed with Ro-32-0445 (VI) as indicated.

TX Tritiated saquinavir: The cyclization of 4-bromoaniline (XVI) with crotonic aldehyde (II) by means of $ZnCl_2/HCl$ gives 6-bromo-4-methylquinoline (XVII), which is brominated as before giving tetrabromo derivative (XVIII). The hydrolysis of (XVIII) with sulfuric acid affords 6-bromoquinoline-2-carboxylic acid (XIX), which is condensed with Ro-32-0445 (VI) by means of HOBT and DCC as indicated giving the bromo derivative of saquinavir (XX). Finally, this compound is tritiated with T_2 over Pd/C in ethanol.

TX 5)-(15N,13C,2H)-Saquinavir: The nitration of (13C6)-benzene (XXI) with (15N)-nitric acid gives the corresponding nitrobenzene (XXII), which is reduced with Sn/HCl to the aniline (XXIII). The cyclization of (XXIII) with crotonic aldehyde (II) by means of ClD/D_2O and acetic anhydride yields the tetradeuterated quinoline (XXIV), which is brominated as before giving the tribromo derivative (XXV). The hydrolysis of (XXV) with sulfuric acid as usual affords the (15N,13C6,2H3)-labeled quinoline-2-carboxylic acid (XXVI), which is finally condensed with Ro-32-0445 (VI) by means of HOBT and CDI as indicated.

TX The synthesis of Ro-31-8959/003 (X) was carried out as follows: Condensation of L-phenylalanine (I) with formaldehyde in concentrated hydrochloric acid gave the tetrahydroisoquinoline (II), which was hydrogenated in 90% acetic acid over rhodium on carbon to yield the decahydroisoquinoline (III) as a mixture of diastereoisomers. Treatment of (III) with benzyl chloroformate in aqueous sodium hydroxide solution gave a mixture of N-protected amino acids which was separated by fractional crystallization of the cyclohexylamine salts to give the (S,S,S)-isomer. Reaction with dicyclohexylcarbodiimide and N-hydroxysuccinimide in dimethoxyethane, followed by treatment of the activated ester with tert-butylamine in dichloromethane and subsequent hydrogenolysis of the benzyloxycarbonyl protecting group gave the decahydroisoquinoline (IV). In the other branch of the synthesis L-phenylalanine was treated with benzyl chloroformate in aqueous sodium hydroxide solution to give the N-protected amino acid. This was converted to the corresponding mixed anhydride with isobutyl chloroformate and N-ethylmorpholine in tetrahydrofuran and immediately reacted with diazomethane in diethyl ether to give the diazomethyl ketone (V). Treatment of (V) with ethereal hydrogen chloride gave the chloromethyl ketone (VI), which on reduction with sodium borohydride in aqueous tetrahydrofuran gave a mixture of diastereoisomeric chlorohydrins. Solvent extraction with boiling n-hexane followed by recrystallization of the less soluble isomer from isopropanol gave pure chlorohydrin (VII), which on treatment with ethanolic potassium hydroxide gave the epoxide (VIII). Condensation of (VIII) with (IV) in ethanol gave the hydroxyethylamine (IX). Hydrogenolysis of (IX) was followed by condensation with N-benzyloxycarbonyl-L-asparagine in tetrahydrofuran in the presence of 1-hydroxybenzotriazole and dicyclohexylcarbodiimide. Hydrogenolysis in ethanol over palladium on charcoal, followed by condensation with quinoline-2-carboxylic acid in tetrahydrofuran in the presence of dicyclohexylcarbodiimide and 1-hydroxybenzotriazole, gave the free base, Ro-31-8959/000. Treatment with methanesulfonic acid in aqueous ethanol then afforded the mesylate salt (X), Ro-31-8959/003.

L8 ANSWER 46 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
 AN 2000:1043 SYNTHLINE
 DN 126015
 CN Sulpiride (L-(-)); Levosulpiride; RV-12309; Levopraid
 CN (S)-5-(Aminosulfonyl)-N-((1-ethyl-2-pyrrolidiny)methyl)-2-methoxybenzamide
 RN 23672-07-3
 RN 77111-58-1 (HCl)
 MF C15 H23 N3 O4 S
 MW 341.43
 CC Antipsychotic Drugs; Nausea and Vomiting, Treatment of; Neurologic drugs; Psychopharmacologic drugs; Dopamine D2 Antagonists
 HDP Launched-1987
 CO Abbott; Ravizza
 ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03013.TIF
 CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances;

Alfa Aesar; Beijing Odyssey Chemical Industry Co., Ltd.; D&O Chemicals, Inc.; Esprit Chemical Company; Fluka; ICN Biomedical Research Products; Inabata & Co., Ltd.; Indofine Chemical Company, Inc.; Koffolk Ltd.; Lancaster Synthesis Inc.; Midori Kagaku Co., Ltd.; Ningjiang Pharmaceutical & Chemical Corporation; NIPA Hardwicke Inc.; Pfaltz & Bauer, Inc.; Spectrum Quality Products, Inc.; TCI

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; D&O Chemicals, Inc.; Dishman Pharmaceuticals & Chemicals Ltd.; FAR Research; Fluka; Icom SpA; Indofine Chemical Company, Inc.; Jiangsu Changyu Chemical Co., Ltd.; Jingjiang Malong Chemical Manufacturing Co., Ltd.; Koffolk Ltd.; Lancaster Synthesis Inc.; Midori Kagaku Co., Ltd.; Ningjiang Pharmaceutical & Chemical Corporation; NIPA Hardwicke Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Taichang Mingfang Chemical Co. Ltd.; TCI

CO Acros Organics; FAR Research; Orgasynth; TCI

CO Acros Organics; Advanced ChemTech; Aldrich; Chem-Impex International, Inc.; Davos Chemical Corporation; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Jiangxi Kingnord Industrial Limited; Lancaster Synthesis Inc.; Omega Chemical Co., Inc.; Research Organics; Sigma Chemical Company; Suzhou Hengyi Pharmaceuticals; Suzhou Henyi Pharmaceuticals Co., Ltd.; TCI

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; Biosynth International, Inc.; Changzhou Huakang Chemical Factory; China Zhejiang Corporation for International Economic & Technical Co-operation; Fisher Scientific; Fluka; ICN Biomedical Research Products; Inabata & Co., Ltd.; Indofine Chemical Company, Inc.; Intsel Chimos; J.T. Baker; Jiangyin Yuandong Fine Chemical Factory; Lancaster Synthesis Inc.; Lansdowne Chemicals Plc.; Mallinckrodt Laboratory Chemicals; Pfaltz & Bauer, Inc.; Rhodia Fine Organics; Shandong Double Dragon Group; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI

CO D&O Chemicals, Inc.; FAR Research; Icom SpA; KingChem Inc.; Taichang Mingfang Chemical Co. Ltd.; Wilshire Chemical Co., Inc.; Wuhan Shengmao Corporation

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Gillepi Chemicals ****SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.; ****Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Weidling GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.

CO Acros Organics; FAR Research; Orgasynth; TCI

CO Advanced ChemTech; Chem-Impex International, Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company

CO Sigma Aldrich Library of Rare Chemicals

CO FAR Research; Icom SpA

PY ****1989***

PY ****1987***

L8 ANSWER 47 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2000:945 SYNTHLINE
DN 118981
CN Antineoplaston AS2-5
CN N2-Phenylacetyl-L-glutamine sodium salt
RN 104771-87-1
RN 31427-44-8 (free acid); 28047-15-6 (free acid)
MF C13 H15 N2 O4 . Na
MW 286.26
HDP Phase II

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03014.TIF

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; D&O Chemicals, Inc.; Davos Chemical Corporation; DSM Fine Chemicals Inc.; Esprit Chemical Company; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Halides Chemicals Pvt. Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Midori Kagaku Co., Ltd.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Orichem International Ltd.;
Peptide Institute, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research Organics; Rubamin; Shanghai Desano Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Suzhou Wuxian Tianma Chemical Materials Co., Ltd.; TCI; Trustchem Co., Ltd.

CO Acros Organics; Ad Pharmachem; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Changzhou Yalong Perfume Supporter of Conduction; Chemtech Intermediates Pvt. Ltd.; CU Chemie Uetikon GmbH; Dolder Ltd.; Fisher Scientific; Fluka; Isotec Inc.; Jintan Jinguan Chemical Plant; Lancaster Synthesis Inc.; Nikung Group of Companies; Nikunj Chemical Limited; Pfaltz & Bauer, Inc.; Shree Chem; Sigma Chemical Company; Spectrum Quality Products, Inc.; Taixing Deyuan Fine Chemical Factory; Tessenderlo Chemie; Wilshire Chemical Co., Inc.; Yogi Dye Chem Industries; Zhuhai Qiaoji Overseas Trade Co., Ltd.

CO ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; Davos Chemical Corporation; Dojindo Molecular Technologies, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Molecular Biosciences; Omega Chemical Co., Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Ubichem plc

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advance Scientific & Chemical, Inc.; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Applichem GmbH; Arrow Chemical Inc.; Avatar Corporation; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Caledon Laboratories Limited; Chem-Impex International, Inc.; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Dongyang Pharmaceutical Chemical Co., Ltd.; Fabrichem, Inc.; Fisher Scientific; Flamma S.p.A. (Fabbrica Lombarda Amminoacidi); Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Giellepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Jianghong Chemicals Co., Ltd.; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; L.S. Raw Materials Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Panda Technological Research Institute; Parchem Trading Ltd.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Seltzer Chemicals, Inc.; Shanghai Desano Co., Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Wellwing Trading Company

PY ***1986***

L8 ANSWER 48 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2000:887 SYNTHLINE
DN 115230
CN Captopril; SQ-14225; Capril; Cesplon; Tensiomin; Capoten
CN 1-((2S)-3-Mercapto-2-methyl-1-oxopropyl)-L-proline; N-((2S)-3-Mercapto-2-methylpropionyl)-L-proline
RN 62571-86-2
MF C9 H15 N O3 S
MW 217.29
CC Cardiovascular drugs; Diabetic Nephropathy, Agents for; Diabetic Retinopathy, Agents for; Endocrine drugs; Heart Failure Therapy; Hypertension, Treatment of; Treatment of Diabetic Complications; ACE Inhibitors
HDP Launched-1980
CO Bristol-Myers Squibb; Egis; Esteve; Sankyo
ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03015.TIF

CO Aceto Corporation; Acros Organics; Aldrich; Bright Evergreen Pte. Ltd.;
Fluka; George Uhe Company, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer,
Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company;
Spectrum Quality Products, Inc.; TCI
CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.;
Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and
Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco
Inc.; AppliChem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth
International, Inc.; Buckton Scott Commodities Limited; Calbiochem -
NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.;
Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical;
Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.;
Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Gielletti
Chemicals ***SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway
Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical
Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlau
Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster
Synthesis Inc.; Moravsek Biochemicals Inc.; Nanjing Machinery, Metals,
Minerals, Medicines & Health Products Import and Export Corporation; Omega
Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer,
Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind.
Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH;
Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum
Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance
Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.;
Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.
CO Chem-Impex International, Inc.; Sigma Chemical Company
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster
Synthesis Inc.; Parchem Trading Ltd.; Sigma Chemical Company
CO Changzhou Xinhua Chemical Product Co., Ltd.; China Suyu Foreign Trade
Corporation; NetQem
CO Acros Organics; Aldrich; Bimax Chemicals Ltd.; Fluka; Lancaster Synthesis
Inc.; TCI
CO Aceto Corporation; Bright Evergreen Pte. Ltd.; Nikung Group of Companies;
Nikunj Chemical Limited; Ningbo Free Trade Zone T-Chemi Trading Co., Ltd.;
SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; TCI
CO Acros Organics; DSM Fine Chemicals Inc.; Farchemia S.r.l.; Fluka; NetQem;
SiberHegner GmbH; TCI; Xiamen Mchem Group
PY ***1978***

L8 ANSWER 49 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2000:702 SYNTHLINE
DN 102780
CN Moveltipril calcium; Altiopril calcium; MC-838; Lowpress
CN 1-(3-((2(R)-((cyclohexylcarbonyl)amino)-1-oxopropyl)thio)-2(s)-methyl-1-
oxopropyl)-L-proline calcium salt(2:1)
RN 85291-53-5
RN 85856-54-8 (free base)
MF 2 C19 H29 N2 O5 S . Ca
MW 835.10
CC Cardiovascular drugs; Hypertension, Treatment of; ACE Inhibitors
HDP Pre-Registered
CO Chugai
ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03016.TIF

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar;
American Radiolabeled Chemicals, Inc.; Ashwood Chemicals Ltd.; Asymchem;
Bayer Corporation; Changzhou Friendship Fine Chemicals; Chemate Fine
Chemicals - Shanghai Chemate International Trading Ltd.; Chem-Impex
International, Inc.; ChiraChem; Chiracon GmbH; D&O Chemicals, Inc.; Davos
Chemical Corporation; Dolder Ltd.; Fluka; G.J. Chemical Company, Inc.;
Hengdian Group; Hengdian Tospo-Yongan Chemical Co., Ltd.; Hickson & Welch
Ltd.; ICN Biomedical Research Products; Inabata & Co., Ltd.; Kessler
Chemical, Inc.; King's Research, Inc.; Lancaster Synthesis Inc.; Netchem
Inc.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Organix, Inc.;
Panda Technological Research Institute; Pfaltz & Bauer, Inc.; PPG-Sipsy;
Research Organics; Shanghai Sansi Chemical Co. Ltd.; Sigma Chemical
Company; Spectrum Quality Products, Inc.; TCI; Xiamen Mchem Group; Xinchem
Company
CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros

Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacif; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Giellep Chemicals ***SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.

CO
PY

TCI
1986

L8
AN
DN
CN
CN

RN
MF
MW
CC

ANSWER 50 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
2000:607 SYNTHLINE
091361
Thalidomide; NSC-66847; K-17; Talizer; Thalomid; Synovir
(rac)-2-(2,6-Dioxopiperidin-3-yl)-2,3-dihydro-1H-isoindole-1,3-dione;
(rac)-N-(2,6-Dioxopiperidin-3-yl)phthalimide; (rac)-alpha-(N-
Phthalimido)glutarimide
50-35-1
C13 H10 N2 O4
258.23
AIDS Medicines; Antiarthritic Drugs; Antiinfective therapy;
Antimycobacterial Agents; Brain Cancer Therapy; Breast Cancer Therapy;
Cognition Disorders, Treatment of; Colorectal Cancer Therapy;
Gastrointestinal drugs; Glioblastoma Multiforme Therapy; Immunologic
Neuromuscular Disorders, Treatment of; Inflammatory Bowel Disease, Agents
for; Kaposi's Sarcoma Therapy; Leukemia Therapy; Liver Cancer Therapy;
Lung Cancer Therapy; Multiple Myeloma Therapy; Multiple Sclerosis, Agents
for; Myelodysplastic Syndrome Therapy; Neurologic drugs; Non-Small Cell
Lung Cancer Therapy; Ocular medications; Oncolytic drugs; Ophthalmic
Drugs; Prostate Cancer Therapy; Renal Cancer Therapy; Scleroderma, Agents
for; Treatment of Age-Related Macular Degeneration; Treatment of
AIDS-Associated Malignancies; Treatment of Cachexia; Treatment of Leprosy;
Treatment of musculoskeletal & connective tissue diseases; Treatment of
Other Autoimmune Disorders; Angiogenesis Inhibitors; TNF-alpha Production
Inhibitors; TNF-alpha Release Inhibitors

HDP

Launched-1998

CO

Andrulis; Celgene; Celgene; EntreMed; National Cancer Institute; Penn;
Pharmacia; Pharmion; University of Minnesota

ED

12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03017.TIF

CO

ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Chem-Impex
International, Inc.; Davos Chemical Corporation; Fluka; Frinton
Laboratories; Hangzhou Vanco Science & Technology Co., Ltd.; ICN
Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster
Synthesis Inc.; Narchem Corporation; Oakwood Products, Inc.; Omega
Chemical Co., Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI;
Trans World Chemicals Inc.

CO

A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advance Scientific & Chemical, Inc.; Advanced ChemTech; AerChem
Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich
Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American
Radiolabeled Chemicals, Inc.; Applichem GmbH; Arrow Chemical Inc.; Avatar
Corporation; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem
Corporation; Caledon Laboratories Limited; Chem-Impex International, Inc.;
DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Dongyang
Pharmaceutical Chemical Co., Ltd.; Fabrichem, Inc.; Fisher Scientific;
Flamma S.p.A. (Fabbrica Lombarda Amminoacidi); Fluka; Foyo Pharmaceutical

and Chemical Co., Ltd.; Giellepi Chemicals ***SRL*** ; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Jianghong Chemicals Co., Ltd.; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; L.S. Raw Materials Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Panda Technological Research Institute; Parchem Trading Ltd.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Seltzer Chemicals, Inc.; Shanghai Desano Co., Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Wellwing Trading Company

CO Chem-Impex International, Inc.; Indofine Chemical Company, Inc.

CO ABCR GmbH & Co.; Acros Organics; AisonsChem; Aldrich; Alfa Aesar; Amchem Incorporated; American Radiolabeled Chemicals, Inc.; Analytyka; Aslchem International Inc.; Charkit Chemical Corporation; Chem One Ltd.; Chemphar; China Nafine Group International Co., Ltd.; Fisher Scientific; Fluka; GFS Chemicals; Gilbert & Jones Company; Haihong Chemical Enterprises Co., Ltd.; Harcros Chemicals Inc.; Hawkins Chemical Inc.; Hubei Chuxing Industrial & Trade Group Co., Ltd.; Hunan Darong Chemical & Pesticide Company, Ltd.; Hunan Provincial Imp. & Exp. Group Corp.; ICN Biomedical Research Products; Independent Chemical Corporation; Indofine Chemical Company, Inc.; Inorganic Chemical Material; Isotec Inc.; J.T. Baker; Jayman Industries; Jiangsu Lulilai Co., Ltd.; Juhua Group Corporation; Lancaster Synthesis Inc.; Lansdowne Chemicals Plc.; Mallinckrodt Laboratory Chemicals; MillionLink (Tianjin) International Trade Co., Ltd.; Moravek Biochemicals Inc.; New Chem Group; Parchem Trading Ltd.; Pfaltz & Bauer, Inc.; Priya Limited; Research Organics; Richman Chemical Inc.; Scheco Jiangdong Chemical Factory; Shenyang International Trade Group; Sigma Chemical Company; Sinochem Hebei Imp. & Exp. Corp.; Somu Group; Spectrum Quality Products, Inc.; SpeedChem Company; TCI; Thatcher Company; Tianjin Chemical Reagent Co., Inc.; TR International Trading Company, Inc.; U. S. Chemicals, Inc.; Ulrich Chemical, Inc.; United Mineral & Chemical Corporation; Varsal Fine Chemicals, Inc.; Weifang Hengan Fine Chemical Limited Company; Westco Chemicals Inc.; Wilshire Chemical Co., Inc.; Xi'an Lijian Chemical Co., Ltd.; Yantai Dasteck Chemicals Co., Ltd.; Zhuhai Qiaoji Overseas Trade Co., Ltd.; Zibo Wanchang Group Co., Ltd.

CO Abaquim, S.A.; ABCR GmbH & Co.; Acros Organics; Akulu Marchon (Pty) Ltd.; Aldrich; Alfa Aesar; Amber Scientific; Amchem Incorporated; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Analytyka; Arpadis NV; Aslchem International Inc.; Astro Chemicals Inc.; Australian Contract Blenders; Azot Association; Bonded Chemicals Inc.; Borden & Remington Corporation; CalbioChem - NovaBiochem Corporation; Canton Laboratories; Coleman Chemical Inc.; Excel Laboratory Products; Fisher Scientific; Fluka; Fronine Pty. Ltd.; Gallade Chemical Inc.; GFS Chemicals; Gilbert & Jones Company; Haviland Enterprises Inc.; Hawkins Chemical Inc.; Hubei Datian Chemical Engineering Corporation Limited; Hukill Chemical Corporation; Hydro Chemicals; ICN Biomedical Research Products; Ideal Chemical & Supply Company; Independent Chemical Corporation; Interstate Chemical Co., Inc.; Isotec Inc.; J.T. Baker; Jayman Industries; Jiangyan Global Chemical Plant; JSC Acron; K. Patel Chemopharma; Karlan Research Products; Kemerovo JSC "AZOT"; Kirsch Pharma GmbH; Koei Chemical Company, Ltd.; Lancaster Synthesis Inc.; Lutianhua Group Incorporated; Mallinckrodt Laboratory Chemicals; Maruzen Chemicals Co., Ltd.; Maryland Chemical Company, Inc.; Mays Chemical Company, Inc.; Mississippi Chemical Corporation; Moravek Biochemicals Inc.; Mutchler Chemical Company, Inc.; Nacalai Tesque, Inc.; Nissan Chemical Industries, Ltd.; North Industrial Chemicals Inc.; Ohio Chemical Services, Inc.; Pacific Diazo Products; Pfaltz & Bauer, Inc.; Producers Chemical Company; Ranbaxy Fine Chemicals Limited; Reliable Biopharmaceutical Corporation; Research Organics; Samsung Fine Chemicals Co., Ltd.; Shandong Ruixing Chemical Industrial Group Corporation; Shanghai Jiejing Chemicals Com., Ltd.; Shenyang International Trade Group; Shrieve Chemical Company - Shrieve Chemical Products, Inc.; Sigma Chemical Company; Sinopec Anqing Company; Spectrum Quality Products, Inc.; Sumitomo Chemicals Co., Ltd.; Thatcher Company; Tianjin Chemical Reagent Co., Inc.; Tilley Chemical Co. Inc.; U. S. Chemicals, Inc.; U-Jin Chemical Co., Ltd.; Ulrich Chemical, Inc.; Valley Solvent Company, Inc.; Wilson Industrial Sales Co., Inc.

CO AAE Chemie n.v.; ABCR GmbH & Co.; AccuStandard; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Borden & Remington Corporation; Chaozhou Yuedong Chemical & Light Industrial; Chem-Impex International, Inc.; Coleman Chemical Inc.; Crescent Organics Ltd.; Division Petrochimique Arfeen International (Pvt) Limited; Exim Corporation; Filo Chemical Incorporated; Fluka; FRP Services & Company; Gadiv Petrochemical Industries Ltd.; GFS Chemicals; Harcros Chemicals Inc.; Herdillia Chemicals Ltd.; IC Trading Company, Inc.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited;

Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.;
 Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.;
 Mays Chemical Company, Inc.; Mitsubishi Gas Chemical Company, Inc.; Neste
 Oxo AB; Nippon Shokubai Co., Ltd.; Oltchim Romania; Parchem Trading Ltd.;
 PCL Oils & Solvents Ltd.; Pfaltz & Bauer, Inc.; Pt. Eterindo Wahanatama
 Tbk.; Rierden Chemical & Trading Company; Scharlau Laboratory Chemicals;
 Shanghai Haifan Industrial Corporation; Shijiazhuang Bailong Chemical Co.,
 Ltd.; Shree Ambica Group of Companies; Sigma Chemical Company; Spectrum
 Quality Products, Inc.; Thirumalai Chemicals Ltd.; Tianjin Chemical
 Reagent Co., Inc.; Tianjin Chemical Reagent No. 1 Plant; TR International
 Trading Company, Inc.; U. S. Chemicals, Inc.; U-Jin Chemical Co., Ltd.;
 Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Vitusa
 Products, Inc.; Voigt Global Distribution; Xinglu Chemical Co., Ltd.;
 Zaklady Azotowe Kedzierzyn SA

CO Frinton Laboratories; Pfaltz & Bauer, Inc.

CO A.G. Scientific; Biomol; ICN Biomedical Research Products; Tocris Cookson
 Ltd.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Chem-Impex
 International, Inc.; Fluka; Keyuan Co., Ltd.; Lancaster Synthesis Inc.;
 Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI

CO AAE Chemie n.v.; ABCR GmbH & Co.; AccuStandard; Acros Organics; Aldrich;
 Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin
 Enterprise; Borden & Remington Corporation; Chaozhou Yuedong Chemical &
 Light Industrial; Chem-Impex International, Inc.; Coleman Chemical Inc.;
 Crescent Organics Ltd.; Division Petrochimique Arfeen International (Pvt)
 Limited; Exim Corporation; Filo Chemical Incorporated; Fluka; FRP Services
 & Company; Gadiv Petrochemical Industries Ltd.; GFS Chemicals; Harcros
 Chemicals Inc.; Herdillia Chemicals Ltd.; IC Trading Company, Inc.; ICN
 Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited;
 Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.;
 Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.;
 Mays Chemical Company, Inc.; Mitsubishi Gas Chemical Company, Inc.; Neste
 Oxo AB; Nippon Shokubai Co., Ltd.; Oltchim Romania; Parchem Trading Ltd.;
 PCL Oils & Solvents Ltd.; Pfaltz & Bauer, Inc.; Pt. Eterindo Wahanatama
 Tbk.; Rierden Chemical & Trading Company; Scharlau Laboratory Chemicals;
 Shanghai Haifan Industrial Corporation; Shijiazhuang Bailong Chemical Co.,
 Ltd.; Shree Ambica Group of Companies; Sigma Chemical Company; Spectrum
 Quality Products, Inc.; Thirumalai Chemicals Ltd.; Tianjin Chemical
 Reagent Co., Inc.; Tianjin Chemical Reagent No. 1 Plant; TR International
 Trading Company, Inc.; U. S. Chemicals, Inc.; U-Jin Chemical Co., Ltd.;
 Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Vitusa
 Products, Inc.; Voigt Global Distribution; Xinglu Chemical Co., Ltd.;
 Zaklady Azotowe Kedzierzyn SA

CO Acros Organics; Boehringer Ingelheim GMBH; ChiRex Ltd.; Lancaster
 Synthesis Inc.; Ubichem plc

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Chem-Impex
 International, Inc.; Fluka; Keyuan Co., Ltd.; Lancaster Synthesis Inc.;
 Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI

CO AAE Chemie n.v.; ABCR GmbH & Co.; AccuStandard; Acros Organics; Aldrich;
 Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin
 Enterprise; Borden & Remington Corporation; Chaozhou Yuedong Chemical &
 Light Industrial; Chem-Impex International, Inc.; Coleman Chemical Inc.;
 Crescent Organics Ltd.; Division Petrochimique Arfeen International (Pvt)
 Limited; Exim Corporation; Filo Chemical Incorporated; Fluka; FRP Services
 & Company; Gadiv Petrochemical Industries Ltd.; GFS Chemicals; Harcros
 Chemicals Inc.; Herdillia Chemicals Ltd.; IC Trading Company, Inc.; ICN
 Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited;
 Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.;
 Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.;
 Mays Chemical Company, Inc.; Mitsubishi Gas Chemical Company, Inc.; Neste
 Oxo AB; Nippon Shokubai Co., Ltd.; Oltchim Romania; Parchem Trading Ltd.;
 PCL Oils & Solvents Ltd.; Pfaltz & Bauer, Inc.; Pt. Eterindo Wahanatama
 Tbk.; Rierden Chemical & Trading Company; Scharlau Laboratory Chemicals;
 Shanghai Haifan Industrial Corporation; Shijiazhuang Bailong Chemical Co.,
 Ltd.; Shree Ambica Group of Companies; Sigma Chemical Company; Spectrum
 Quality Products, Inc.; Thirumalai Chemicals Ltd.; Tianjin Chemical
 Reagent Co., Inc.; Tianjin Chemical Reagent No. 1 Plant; TR International
 Trading Company, Inc.; U. S. Chemicals, Inc.; U-Jin Chemical Co., Ltd.;
 Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Vitusa
 Products, Inc.; Voigt Global Distribution; Xinglu Chemical Co., Ltd.;
 Zaklady Azotowe Kedzierzyn SA

CO Acros Organics; Boehringer Ingelheim GMBH; ChiRex Ltd.; Lancaster
 Synthesis Inc.; Ubichem plc

CO Acros Organics; Advanced ChemTech; Chem-Impex International, Inc.; Fluka;
 ICN Biomedical Research Products; Indofine Chemical Company, Inc.;
 Isochem, Groupe SNPE; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical

Company; Synthetech Inc.; TCI
PY 1999
PY 1999
PY 2001
PY 2002
PY ***1995***
PY ***1995***

L8 ANSWER 51 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2000:232 SYNTHLINE
DN 090476
CN Antineoplaston A10; NSC-648539
CN (S)-N-(2,6-Dioxo-3-piperidinyI)benzeneacetamide; 3(S)-(N-Phenylacetyl-amino)-2,6-piperidinedione; (S)-N-Phenylacetyl-alpha-aminoglutarimide
RN 91531-30-5
MF C13 H14 N2 O3
MW 246.26
HDP Phase II
STA Actively Investigated
CO Burzynski Research Institute; National Cancer Institute
ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03018.TIF

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; BASF Chemical Intermediates; Biddle Sawyer Corporation; Chem-Impex International, Inc.; Chemisphere Limited; China Suyu Foreign Trade Corporation; Fluka; H.W. Sands Corporation; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Merck KGaA; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research Organics; Shanghai Sansi Chemical Co. Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; SNPE Chemicals, Groups SNPE; Spectrum Quality Products, Inc.; TCI; VanDeMark Group; Xinchem Company

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; D&O Chemicals, Inc.; Davos Chemical Corporation; DSM Fine Chemicals Inc.; Esprit Chemical Company; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Halides Chemicals Pvt. Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Midori Kagaku Co., Ltd.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Orichem International Ltd.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research Organics; Rubamin; Shanghai Desano Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Suzhou Wuxian Tianma Chemical Materials Co., Ltd.; TCI; Trustchem Co., Ltd.

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; D&O Chemicals, Inc.; Davos Chemical Corporation; DSM Fine Chemicals Inc.; Esprit Chemical Company; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Halides Chemicals Pvt. Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Midori Kagaku Co., Ltd.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Orichem International Ltd.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research Organics; Rubamin; Shanghai Desano Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Suzhou Wuxian Tianma Chemical Materials Co., Ltd.; TCI; Trustchem Co., Ltd.

CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Ashwood Chemicals Ltd.; Asymchem; Bayer Corporation; Changzhou Friendship Fine Chemicals; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; Chem-Impex International, Inc.; ChiraChem; Chiracon GmbH; D&O Chemicals, Inc.; Davos Chemical Corporation; Dolder Ltd.; Fluka; G.J. Chemical Company, Inc.; Hengdian Group; Hengdian Tospo-Yongan Chemical Co., Ltd.; Hickson & Welch Ltd.; ICN Biomedical Research Products; Inabata & Co., Ltd.; Kessler Chemical, Inc.; King's Research, Inc.; Lancaster Synthesis Inc.; Netchem Inc.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Organix, Inc.; Panda Technological Research Institute; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research Organics; Shanghai Sansi Chemical Co. Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Xiamen Mchem Group; Xinchem Company

CO Acros Organics; Ad Pharmachem; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Changzhou Yalong Perfume Supporter of Conduction; Chemtech Intermediates Pvt. Ltd.; CU Chemie Uetikon GmbH; Dolder Ltd.; Fisher Scientific; Fluka; Isotec Inc.;

Jintan Jinguang Chemical Plant; Lancaster Synthesis Inc.; Nikung Group of Companies; Nikunj Chemical Limited; Pfaltz & Bauer, Inc.; Shree Chem; Sigma Chemical Company; Spectrum Quality Products, Inc.; Taixing Deyuan Fine Chemical Factory; Tessenderlo Chemie; Wilshire Chemical Co., Inc.; Yogi Dye Chem Industries; Zhuhai Qiaoji Overseas Trade Co., Ltd.

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advance Scientific & Chemical, Inc.; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Applichem GmbH; Arrow Chemical Inc.; Avatar Corporation; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Caledon Laboratories Limited; Chem-Impex International, Inc.; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Dongyang Pharmaceutical Chemical Co., Ltd.; Fabrichem, Inc.; Fisher Scientific; Flamma S.p.A. (Fabbrica Lombarda Amminoacidi); Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Giellepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Jianghong Chemicals Co., Ltd.; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; L.S. Raw Materials Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Panda Technological Research Institute; Parchem Trading Ltd.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Seltzer Chemicals, Inc.; Shanghai Desano Co., Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Wellwing Trading Company

CO Acros Organics; Aldrich; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Robinson Brothers Limited; TCI

CO Aldrich; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company

PY ***1985***

PY ***1983***

L8 ANSWER 52 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
 AN 2000:221 SYNTHLINE
 DN 090461
 CN BRL 26314
 CN N-(4-Chlorobenzyl)-L-phenylalanine
 RN 79600-96-7
 MF C16 H16 Cl N O2
 MW 289.76
 HDP Biological Testing
 CO GlaxoSmithKline
 ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03019.TIF

CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Carbomer; Changzhou Changmao Biochemical Engineering; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.; Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH & Co.

CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Bayer Corporation; Biddle Sawyer Corporation; Charkit Chemical Corporation; China National Chemical Construction Corporation; Clariant Corporation; Esprit Chemical Company; Fluka; FRP Services & Company; Gitanjali Chemicals Pvt. Ltd.; Ihara Chemical Industry Co., Ltd.; Isotec Inc.; Jianghong Chemicals Co.,

Ltd.; Jingma Chemicals Ltd.; Jintan Deli Chem Co., Ltd.; Kangfeng Organic Fluorine Chemicals Plant; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Lansdowne Chemicals Plc.; Mallinckrodt Laboratory Chemicals; Organix, Inc.; Orichem International Ltd.; Pfaltz & Bauer, Inc.; Shenyang International Trade Group; Sino-Foreign Joint Venture Danyang ZhongChao Chemical Co., Ltd.; Spectrum Quality Products, Inc.; Suzhou Da He Chemical Industry Co., Ltd.; TCI; Wilshire Chemical Co., Inc.; Xinchem Company

PY ***1985***

L8 ANSWER 53 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE on STN
AN 2000:204 SYNTHLINE
DN 090439
CN Enalaprilat; MK-422; Renitec; Vasotec I.V.
CN 1-(N-((S)-1-Carboxy-3-phenylpropyl)-L-alanyl)-L-proline dihydrate
RN 84680-54-6
RN 76420-72-9 (anhydrous)
MF C18 H24 N2 O5 . 2 H2 O
MW 384.43
CC Cardiovascular drugs; Hypertension, Treatment of; ACE Inhibitors
HDP Launched-1987
CO Merck & Co.; Merck Sharp & Dohme
ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03020.TIF

CO Chem-Impex International, Inc.; Degussa Corporation; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Pfaltz & Bauer, Inc.
CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Gillepi Chemicals ****SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlhan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.; ****Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.
CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Biddle Sawyer Corporation; China Suyu Foreign Trade Corporation; Fine & Performance Chemicals Ltd.; Fluka; Hainan Zhongxin Chemical Co., Ltd.; Huzhou Beigang Import & Export Co., Ltd.; INSPEC Group PLC & Int'l Specialty Chemicals Ltd; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Laporte Performance Chemicals; Mallinckrodt Laboratory Chemicals; Moravek Biochemicals Inc.; Morflex, Inc.; Oakwood Products, Inc.; Pfaltz & Bauer, Inc.; Punjab Chemicals & Pharmaceuticals Ltd.; Qiyuan Chemical Co., Ltd.; Rhodia Fine Organics; Roschem Pacific Group; Scheco Jiangdong Chemical Factory; Sigma Chemical Company; Spectrum Quality Products, Inc.; Sugai Chemical Industry Co., Ltd. International Division; TCI; Tianjin Chemical Reagent Co., Inc.
CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; AlliedSignal Inc. Specialty Chemicals; Dolder Ltd.; Esprit Chemical Company; Fluka; ICN Biomedical Research Products; King's Research, Inc.; Lancaster Synthesis Inc.; NetQem; Pfaltz & Bauer, Inc.; Shouguang Fukang Pharmaceutical Co., Ltd.; TCI; Tosoh Corporation
CO Chem-Impex International, Inc.; Degussa Corporation; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Pfaltz & Bauer, Inc.
CO Dr. Eckert GmbH
CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AisonsChem; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Amresco

Inc.; Arrow Chemical Inc.; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Caledon Laboratories Limited; Carbomer; CBC Nanning Cenway Bioengineering Co., Ltd.; Changshu Shunde Chemical Co., Ltd.; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; E-Sung Chemical Co., Ltd.; Fisher Scientific; Fluka; Gillepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Jiangsu Huachang Group Co., Ltd.; Kaneka Corporation - Fine Chemicals Division; Karlan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; TCI; Thomas Baker (Chemicals) Ltd.; Tianjin Tiancheng Pharmaceutical Co., Ltd.; Tocris Cookson Ltd.; USB Corporation; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Wellwing Trading Company; Zhangjiagang Amino Acids Co., Ltd.

PY ***1986***
PY ***1988***

START LOCAL KERMIT RECEIVE PROCESS

BINARY DATA HAVE BEEN DOWNLOADED TO MULTIPLES FILES 'IMAGEnnn.TIF'

L8 ANSWER 54 OF 77 USPATFULL on STN
AN 2000:53907 USPATFULL
TI Stem cell inhibiting proteins
IN Craig, Stewart, Oxford, United Kingdom
Hunter, Michael George, Buckinghamshire, United Kingdom
Edwards, Richard Mark, Oxford, United Kingdom
Czaplewski, Lloyd George, Oxford, United Kingdom
Gilbert, Richard James, Oxford, United Kingdom
PA British Biotech Pharmaceuticals Limited, Oxford, United Kingdom
(non-U.S. corporation)
PI US 6057123 20000502
WO 9313206 19930708 <--
AI US 1993-982759 19930308 (7)
WO 1992-GB2390 19921223
19930308 PCT 371 date
19930308 PCT 102(e) date
PRAI GB 1991-27319 19911223
GB 1992-21587 19921014
DT Utility
FS Granted
LN.CNT 6242
INCL INCLM: 435/069.100
INCLS: 435/069.500; 435/320.100; 435/325.000; 435/252.300; 530/350.000;
530/351.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/069.500; 435/252.300; 435/320.100; 435/325.000; 530/350.000;
530/351.000; 536/023.500
IC [7]
ICM: C12N001-21
ICS: C07H021-02; C07K014-52
EXF 536/23.5; 435/69.1; 435/69.5; 435/320.1; 435/325; 435/252.3; 514/12;
530/350; 530/351
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 55 OF 77 USPATFULL on STN
AN 1999:36896 USPATFULL
TI Antigenic ***peptide*** compound and immunoassay
IN Kumazawa, Toshiaki, Tokyo, Japan
PA SRL, Inc., Tokyo, Japan (non-U.S. corporation)
PI US 5885771 19990323
WO 9511918 19950504
AI US 1996-617929 19960424 (8)
WO 1994-JP1823 19941028
19960424 PCT 371 date
19960424 PCT 102(e) date
PRAI JP 1993-272864 19931029
JP 1994-207695 19940831

DT Utility
FS Granted
LN.CNT 1369
INCL INCLM: 435/005.000
INCLS: 435/007.100; 435/069.300; 530/300.000; 530/324.000; 530/326.000;
530/806.000; 530/826.000
NCL NCLM: 435/005.000
NCLS: 435/007.100; 435/069.300; 530/300.000; 530/324.000; 530/326.000;
530/806.000; 530/826.000

IC [6]

ICM: C12Q001-70

ICS: G01N033-569; A61K039-29; A61K039-295

EXF 435/5; 435/7.1; 435/69.3; 530/300; 530/350; 530/326; 530/324; 530/806;
530/826

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 56 OF 77 USPATFULL on STN

AN 1998:79325 USPATFULL

TI Osp A and B Sequence of Borrelia burgdonferi strains ACA1 and IP90

IN Barbour, Alan George, San Antonio, TX, United States

Bergstrom, Sven, Umea, Sweden

Hansson, Lennart, Umea, Sweden

PA Symbicom Aktiebolag, Umea, Sweden (non-U.S. corporation)

PI US 5777095 19980707

WO 9308306 19930429

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AI US 1993-137175 19931026 (8)

WO 1992-US8972 19921022

19931026 PCT 371 date

19931026 PCT 102(e) date

RLI Continuation-in-part of Ser. No. US 1993-79601, filed on 22 Jun 1993,
now patented, Pat. No. US 5523089 which is a continuation of Ser. No. US
1992-924798, filed on 6 Aug 1992, now abandoned which is a continuation
of Ser. No. US 1989-422881, filed on 18 Oct 1989, now abandoned

PRAI DK 1988-5902 19881024

DT Utility

FS Granted

LN.CNT 2580

INCL INCLM: 536/023.700

INCLS: 536/022.100; 536/023.100; 536/024.100; 536/024.300; 536/024.310;
536/024.320; 536/024.330; 435/006.000; 435/091.200; 435/320.100

NCL NCLM: 536/023.700

NCLS: 435/006.000; 435/091.200; 435/320.100; 536/022.100; 536/023.100;
536/024.100; 536/024.300; 536/024.310; 536/024.320; 536/024.330

IC [6]

ICM: C07H021-02

ICS: C07H021-04; C12Q001-68; C12P019-34

EXF 536/22.1; 536/23.1; 536/24.1; 536/24.3; 536/24.31; 536/24.32; 536/24.33;
435/320.1; 435/6; 435/91.2

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 57 OF 77 USPATFULL on STN

AN 97:58898 USPATFULL

TI Inhibitor resistant serine proteases

IN Dawson, Keith Martyn, Cowley, United Kingdom

Gilbert, Richard James, Cowley, United Kingdom

PA British Biotech Pharmaceuticals Limited, Oxford, United Kingdom
(non-U.S. corporation)

PI US 5645833 19970708

WO 9403614 19940217

<--

AI US 1995-379621 19950203 (8)

WO 1993-GB1632 19930803

19950203 PCT 371 date

19950203 PCT 102(e) date

PRAI GB 1992-16558 19920804

DT Utility

FS Granted

LN.CNT 1070

INCL INCLM: 424/094.640

INCLS: 435/217.000; 435/252.300; 435/320.100; 435/325.000; 435/358.000;
435/365.000; 435/367.000; 435/369.000; 435/357.000; 435/352.000;
435/356.000; 536/023.200

NCL NCLM: 424/094.640

NCLS: 435/217.000; 435/252.300; 435/320.100; 435/325.000; 435/352.000;
435/356.000; 435/357.000; 435/358.000; 435/365.000; 435/367.000;
435/369.000; 536/023.200

IC [6]

ICM: A61K038-48
ICS: C12N009-68; C12N015-55; C12N015-63
EXF 424/94.64; 435/217; 435/172.3; 435/240.2; 435/252.3; 435/320.1; 536/23.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 58 OF 77 USPATFULL on STN
AN 97:49542 USPATFULL
TI Activatable fibrinolytic and anti-thrombotic proteins
IN Dawson, Keith, Marlow, United Kingdom
Edwards, Richard M., Thame, United Kingdom
Forman, Joan M., Oxford, United Kingdom
PA British Biotech Pharmaceuticals, England (non-U.S. corporation)
PI US 5637492 19970610
WO 9109118 19910627 <--
AI US 1992-854603 19920604 (7)
WO 1990-GB1912 19901207
19920604 PCT 371 date
19920604 PCT 102(e) date
PRAI GB 1989-27722 19891207
DT Utility
FS Granted
LN.CNT 1908
INCL INCLM: 435/217.000
INCLS: 435/212.000; 435/172.300; 424/094.640
NCL NCLM: 435/217.000
NCLS: 424/094.640; 435/212.000
IC [6]
ICM: A61K037-48
ICS: C12N009-68; C12N015-59
EXF 435/69.1; 435/172.3; 435/214; 435/217; 435/212; 435/226; 435/193;
530/384; 530/381; 424/94.63; 424/94.64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 59 OF 77 USPATFULL on STN
AN 96:89206 USPATFULL
TI Pharmaceutical packaging with capsule sealing means
IN Chawla, Brindra P. S., West Bridgford, England
PA Fisons plc, Suffolk, England (non-U.S. corporation)
PI US 5560490 19961001
WO 9405560 19940317 <--
AI US 1995-397186 19950327 (8)
WO 1993-GB1909 19930909
19950327 PCT 371 date
19950327 PCT 102(e) date
PRAI GB 1992-19113 19920909
GB 1993-14050 19930707
DT Utility
FS Granted
LN.CNT 277
INCL INCLM: 206/539.000
INCLS: 206/471.000; 206/529.000; 206/530.000
NCL NCLM: 206/539.000
NCLS: 206/471.000; 206/529.000; 206/530.000
IC [6]
ICM: B65D083-04
ICS: B65D085-42
EXF 206/528; 206/529; 206/530; 206/531; 206/532; 206/539; 206/461; 206/471

L8 ANSWER 60 OF 77 USPATFULL on STN
AN 96:36542 USPATFULL
TI PDGF-B analogues
IN Brown, David, Canterbury, England
Edwards, Richard M., Oxford, England
Craig, Stewart, Oxford, England
Cook, Anne L., Oxford, England
Clements, John M., Oxford, England
PA British Biotech Pharmaceuticals Limited, both of, United Kingdom
(non-U.S. corporation)
Pfizer Limited, both of, United Kingdom (non-U.S. corporation)
PI US 5512545 19960430
WO 9213073 19920806 <--
AI US 1993-94079 19930831 (8)
WO 1992-GB141 19920124
19930831 PCT 371 date
19930831 PCT 102(e) date
PRAI GB 1991-1645 19910125

DT Utility
FS Granted
LN.CNT 1027
INCL INCLM: 514/012.000
INCLS: 530/350.000; 530/399.000; 435/069.400; 435/252.330; 435/255.100;
435/320.100; 536/023.510
NCL NCLM: 514/012.000
NCLS: 435/069.400; 435/252.330; 435/255.100; 435/320.100; 530/350.000;
530/399.000; 536/023.510
IC [6]
ICM: A61K038-18
ICS: C12N015-18; C07K014-475
EXF 435/69.1; 435/69.4; 435/172.3; 435/320.1; 435/240.2; 435/252.33;
435/255.1; 435/255.2; 530/350.399; 514/2; 514/8; 514/12; 536/23.5;
536/23.51
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 61 OF 77 USPATFULL on STN
AN 95:107930 USPATFULL
TI Pharmaceutical controlled-release composition with bioadhesive
properties
IN Santus, Giancarlo, Milan, Italy
Bottoni, Giuseppe, Bergamo, Italy
Sala, Giovanni, Verona, Italy
PA Recordati S.A., Chemical and Pharmaceutical Company, Chiasso,
Switzerland (non-U.S. corporation)
PI US 5472704 19951205 <--
AI US 1993-174191 19931227 (8)
RLI Continuation of Ser. No. US 1992-832229, filed on 7 Feb 1992, now
abandoned
PRAI IT 1991-MI1486 19910530
DT Utility
FS Granted
LN.CNT 1198
INCL INCLM: 424/435.000
INCLS: 424/473.000; 424/486.000; 424/487.000; 424/488.000
NCL NCLM: 424/435.000
NCLS: 424/473.000; 424/486.000; 424/487.000; 424/488.000
IC [6]
ICM: A61K009-16
EXF 424/435; 424/419; 424/434; 424/493; 424/473; 424/494; 424/486; 424/487;
424/488
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 62 OF 77 USPATFULL on STN
AN 95:103251 USPATFULL
TI Avirulent microbes and uses therefor
IN Curtiss, III, Roy, St. Louis, MO, United States
PA Washington University, St. Louis, MO, United States (U.S. corporation)
PI US 5468485 19951121 <--
AI US 1993-20259 19930218 (8)
RLI Continuation of Ser. No. US 1989-332285, filed on 31 Mar 1989, now
abandoned which is a continuation-in-part of Ser. No. US 1988-200934,
filed on 1 Jun 1988, now abandoned which is a continuation-in-part of
Ser. No. US 1987-58360, filed on 4 Jun 1987, now abandoned
DT Utility
FS Granted
LN.CNT 2597
INCL INCLM: 424/184.100
INCLS: 424/200.100; 424/093.100; 424/093.200; 435/069.100; 435/071.100;
435/172.100; 435/252.300; 435/252.330; 435/252.800
NCL NCLM: 424/184.100
NCLS: 424/093.100; 424/093.200; 424/200.100; 435/069.100; 435/071.100;
435/252.300; 435/252.330; 435/252.800
IC [6]
ICM: A61K039-00
ICS: A61K039-02; C12N001-21; C12N015-00
EXF 424/88; 424/92; 424/184.1; 424/200.1; 424/241.1; 424/278.1; 424/93.1;
424/93.2; 435/253; 435/252.3; 435/252.33; 435/320.1; 435/69.1; 435/69.3;
435/172.1; 435/252.3; 435/252.33; 435/252.8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 63 OF 77 USPATFULL on STN
AN 95:80233 USPATFULL
TI Pectin lyase genes of aspergillus niger
IN Heim, Jutta, Ramllinsburg, Switzerland

Meyhack, Bernd, Magden, Switzerland
 Gysler, Christof, Blonay, Switzerland
 Visser, Jacob, Wageningen, Netherlands
 Kester, Hermanus C. M., Druten, Netherlands
 PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)
 PI US 5447862 19950905 <--
 AI US 1991-723002 19910628 (7)
 RLI Continuation-in-part of Ser. No. US 1988-150880, filed on 29 Jan 1988,
 now abandoned And a continuation-in-part of Ser. No. US 1989-384898,
 filed on 24 Jul 1989, now abandoned
 PRAI GB 1987-2475 19870204
 GB 1988-18046 19880728
 GB 1989-14666 19890626
 DT Utility
 FS Granted
 LN.CNT 4188
 INCL INCLM: 435/252.300
 INCLS: 435/252.330; 435/254.300; 435/320.100; 536/023.200; 536/023.740;
 536/024.100
 NCL NCLM: 435/252.300
 NCLS: 435/252.330; 435/254.300; 435/320.100; 536/023.200; 536/023.740;
 536/024.100
 IC [6]
 ICM: C12N001-21
 ICS: C12N001-15; C12N015-60; C12N015-80
 EXF 435/183; 435/232; 435/243; 435/254; 435/320.1; 435/913; 435/917;
 435/252.3; 435/252.33; 435/254.3; 536/232; 536/23.2; 536/23.74; 536/24.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 64 OF 77 USPATFULL on STN
 AN 95:64843 USPATFULL
 TI Fibrinolytic and anti-thrombotic cleavable dimers
 IN Dawson, Keith, Marlow, United Kingdom
 Hunter, Michael G., Aylesbury, United Kingdom
 Czaplewski, Lloyd G., Didcot, United Kingdom
 PA British Bio-Technology Limited, Oxford, England (non-U.S. corporation)
 PI US 5434073 19950718 <--
 WO 9109125 19910627 <--
 AI US 1992-854596 19920603 (7)
 WO 1990-GB1911 19901207
 19920603 PCT 371 date
 19920603 PCT 102(e) date
 PRAI GB 1989-27722 19891207
 DT Utility
 FS Granted
 LN.CNT 2191
 INCL INCLM: 435/216.000
 INCLS: 530/350.000; 530/402.000; 435/069.700; 424/094.640
 NCL NCLM: 435/216.000
 NCLS: 424/094.640; 435/069.700; 530/350.000; 530/402.000
 IC [6]
 ICM: C12N009-70
 ICS: C07K013-00
 EXF 435/69.7; 435/216; 530/402; 530/350; 424/94.64
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 65 OF 77 USPATFULL on STN
 AN 95:13604 USPATFULL
 TI Avirulent microbes and uses therefor
 IN Gurtiss, III, Roy, St. Louis, MO, United States
 PA Washington University, St. Louis, MO, United States (U.S. corporation)
 PI US 5389368 19950214 <--
 AI US 1992-965607 19921022 (7)
 RLI Continuation of Ser. No. US 1988-200934, filed on 1 Jun 1988, now
 abandoned which is a continuation-in-part of Ser. No. US 1987-58360,
 filed on 4 Jun 1987, now abandoned
 DT Utility
 FS Granted
 LN.CNT 2106
 INCL INCLM: 424/093.200
 INCLS: 424/093.400; 424/093.100; 435/320.100; 435/172.300; 935/072.000;
 935/073.000
 NCL NCLM: 424/200.100
 NCLS: 424/093.400; 435/252.300; 435/252.330; 435/320.100
 IC [6]
 ICM: A61K039-112

ICS: A61K039-108
EXF 424/92; 424/93A; 424/93D; 424/93P; 435/252.3; 435/252.33; 435/879;
435/320.1; 935/65
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 66 OF 77 USPATFULL on STN
AN 95:11759 USPATFULL
TI Avirulent microbes and uses therefor: salmonella typhi
IN Curtiss, III, Roy, St. Louis, MO, United States
Kelly, Sandra M., St. Louis, MO, United States
PA Washington University, St. Louis, MO, United States (U.S. corporation)
PI US 5387744 19950207 <--
AI US 1993-88394 19930707 (8)
RLI Continuation of Ser. No. US 1992-975892, filed on 13 Nov 1992, now
abandoned which is a continuation of Ser. No. US 1990-612001, filed on 9
Nov 1990, now abandoned which is a continuation-in-part of Ser. No. US
1988-200934, filed on 1 Jun 1988, now abandoned which is a
continuation-in-part of Ser. No. US 1987-58360, filed on 4 Jun 1987, now
abandoned, said Ser. No. US -612001 which is a continuation-in-part
of Ser. No. US 1988-251304, filed on 3 Oct 1988, now abandoned which is
a continuation-in-part of Ser. No. US 1987-106072, filed on 7 Oct 1987,
now abandoned
DT Utility
FS Granted
LN.CNT 2718
INCL INCLM: 424/235.100
INCLS: 424/258.100; 435/172.300; 435/320.100; 435/252.300; 435/252.330;
435/879.000; 935/060.000; 935/062.000; 935/072.000
NCL NCLM: 424/258.100
NCLS: 435/252.300; 435/252.330; 435/320.100; 435/879.000
IC [6]
ICM: A61K039-112
ICS: C12N001-21
EXF 435/252.3; 435/252.8; 435/879; 435/172.1; 435/172.3; 435/320.1; 424/93A;
424/93D; 935/72; 536/23.1; 536/23.7; 536/24.1; 536/24.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 67 OF 77 USPATFULL on STN
AN 94:47052 USPATFULL
TI Transformation vectors allowing expression of foreign polypeptide
endotoxins from Bacillus thuringiensis in plants
IN De Greve, Henri M. J., Brussels, Belgium
Salgado, Maria B. L. F., Guerrero, Mexico
Van Montagu, Marc C. E., Brussels, Belgium
Vaeck, Mark A., Zemst, Belgium
Zabeau, Marcus F. O., Gent, Belgium
Leemans, Jan J. A., Heusden, Belgium
Hofte, Hermanus F. P., Gent, Belgium
PA Plant Genetic Systems, N.V., Brussels, Belgium (non-U.S. corporation)
PI US 5317096 19940531 <--
AI US 1993-14148 19930205 (8)
RLI Division of Ser. No. US 1990-555828, filed on 23 Jul 1990 which is a
continuation of Ser. No. US 1986-821582, filed on 22 Jan 1986, now
abandoned which is a continuation-in-part of Ser. No. US 1985-692759,
filed on 18 Jan 1985, now abandoned
DT Utility
FS Granted
LN.CNT 3444
INCL INCLM: 536/023.710
NCL NCLM: 536/023.710
IC [5]
ICM: C07H021-00
EXF 536/23.71

L8 ANSWER 68 OF 77 USPATFULL on STN
AN 94:22076 USPATFULL
TI Avirulent microbes and uses therefor: salmonella typhi
IN Curtiss, III, Roy, St. Louis, MO, United States
PA Washington University, St. Louis, MO, United States (U.S. corporation)
PI US 5294441 19940315 <--
AI US 1991-785748 19911107 (7)
RLI Continuation-in-part of Ser. No. US 1990-612001, filed on 9 Nov 1990,
now abandoned which is a continuation-in-part of Ser. No. US
1988-200934, filed on 1 Jun 1988, now abandoned which is a
continuation-in-part of Ser. No. US 1987-58360, filed on 4 Jun 1987, now
abandoned, said Ser. No. 612001 which is a continuation-in-part of

Ser. No. US 1988-251304, filed on 3 Oct 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-106072, filed on 7 Oct 1987, now abandoned

DT Utility
FS Granted
LN.CNT 3370
INCL INCLM: 424/093.000A
INCLS: 424/093.000R; 424/093.000D; 424/093.000P; 435/172.300;
435/320.100; 435/252.300; 435/252.330; 435/879.000; 935/060.000;
935/062.000; 935/072.000
NCL NCLM: 424/200.100
NCLS: 424/235.100; 424/258.100; 435/252.300; 435/252.330; 435/320.100;
435/879.000
IC [5]
ICM: A61K039-112
ICS: C12N001-21
EXF 435/172.3; 435/320.1; 435/252.3; 435/252.33; 435/879; 424/93R; 424/93A;
424/93D; 424/93P
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 69 OF 77 USPATFULL on STN
AN 93:87582 USPATFULL
TI Transformation vectors allowing expression of Bacillus thuringiensis
endotoxins in plants
IN De Greve, Henri M. J., Brussels, Belgium
Salgado, Maria B. L. F., Iguala, Mexico
Van Montagu, Marc C. E., Brussels, Belgium
Vaeck, Mark A., Zemst, Belgium
Zabeau, Marcus F. O., Gent, Belgium
Leemans, Jan J. A., Heusden, Belgium
Hofte, Hermanus F. P., Gent, Belgium
PA Plant Genetic Systems N.V., Belgium (non-U.S. corporation)
PI US 5254799 19931019 <--
AI US 1990-555828 19900723 (7)
RLI Continuation of Ser. No. US 1986-821582, filed on 22 Jan 1986, now
abandoned which is a continuation-in-part of Ser. No. US 1985-692759,
filed on 18 Jan 1985, now abandoned
DT Utility
FS Granted
LN.CNT 3318
INCL INCLM: 800/205.000
INCLS: 435/240.400; 800/250.000; 800/DIG.009; 935/067.000
NCL NCLM: 800/302.000
NCLS: 435/418.000
IC [5]
ICM: A01H004-00
ICS: C12N005-10
EXF 435/172.3; 435/240.4; 800/205; 800/DIG.43; 800/250; 800/DIG.9; 935/67
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 70 OF 77 USPATFULL on STN
AN 93:63093 USPATFULL
TI Human tissue plasminogen activator analogue having substitutions at
amino acid positions 66, 67 and 68
IN Edwards, Richard M., Thame, England
Dawson, Keith, Marlow, England
Fallon, Anthony, Sandhills, England
Craig, Stewart, Littlemore, England
PA British Bio-Technology Limited, Oxford, England (non-U.S. corporation)
PI US 5232847 19930803 <--
WO 8912681 19891228 <--
AI US 1990-613908 19901211 (7)
WO 1989-GB705 19890623
19901211 PCT 371 date
19901211 PCT 102(e) date
PRAI GB 1988-15135 19880624
DT Utility
FS Granted
LN.CNT 854
INCL INCLM: 435/226.000
INCLS: 435/212.000; 435/219.000; 424/094.630
NCL NCLM: 435/226.000
NCLS: 424/094.630; 435/212.000; 435/219.000
IC [5]
ICM: C12N009-48
ICS: C12N015-00

EXF 424/94.63; 424/94.64; 435/226; 435/219; 435/212
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 71 OF 77 USPATFULL on STN
AN 92:12864 USPATFULL
TI Method of producing a gene cassette coding for polypeptides with
repeating amino acid sequences
IN Williams, Jon I., Montclair, NJ, United States
Salerno, Anthony J., Millington, NJ, United States
Goldberg, Ina, Gillette, NJ, United States
McAllister, William T., Metuchen, NJ, United States
PA Allied-Signal Inc., Morris Township, Morris County, NJ, United States
(U.S. corporation)
PI US 5089406 19920218 <--
AI US 1990-476112 19900129 (7)
RLI Continuation of Ser. No. US 1987-1292, filed on 7 Jan 1987, now
abandoned
DT Utility
FS Granted
LN.CNT 1835
INCL INCLM: 435/172.300
INCLS: 435/069.100
NCL NCLM: 435/091.410
NCLS: 435/069.100; 435/091.520; 435/091.530; 530/353.000; 530/356.000
IC [5]
ICM: C12N015-00
ICS: C12N015-10; C12P021-02; C07K013-00
EXF 435/172.3; 435/69.1; 435/320.1; 435/172.1; 435/170; 935/10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 72 OF 77 USPATFULL on STN
AN 92:5511 USPATFULL
TI .beta.-amylase gene
IN Yamagata, Hideo, Nagoya, Japan
Kitamoto, Noriyuki, Nagoya, Japan
Kato, Takeo, Aichi, Japan
Tsukagoshi, Norihiro, Nagoya, Japan
Udaka, Shigezo, Nagoya, Japan
PA Shigezo Udaka, Nagoya, Japan (non-U.S. corporation)
PI US 5082781 19920121 <--
AI US 1990-611480 19901109 (7)
RLI Continuation of Ser. No. US 1989-315129, filed on 24 Feb 1989, now
abandoned
PRAI JP 1988-43708 19880226
DT Utility
FS Granted
LN.CNT 383
INCL INCLM: 435/201.000
INCLS: 435/252.300; 435/252.310; 435/320.100; 536/027.000
NCL NCLM: 435/201.000
NCLS: 435/252.300; 435/252.310; 435/320.100; 536/023.200; 536/023.700
IC [5]
ICM: C12N009-26
ICS: C12N015-56; C12N015-75; C12N001-21; C12N001-00
EXF 536/27; 435/320.1; 435/172.3; 435/69.1; 435/201; 435/252.3; 435/252.31
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 73 OF 77 USPATFULL on STN
AN 91:100486 USPATFULL
TI DNA sequences encoding novel thrombolytic proteins
IN Larsen, Glenn R., Sudbury, MA, United States
PA Genetics Institute, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 5071972 19911210 <--
WO 8704722 19870813 <--
AI US 1988-382678 19881019 (7)
WO 1987-US267 19870130
19881019 PCT 371 date
19881019 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1986-882051, filed on 3 Jul 1986,
now patented, Pat. No. US 5002887 And a continuation-in-part of Ser. No.
US 1986-861699, filed on 9 May 1986, now abandoned And a
continuation-in-part of Ser. No. US 1986-853781, filed on 18 Apr 1986,
now abandoned And a continuation-in-part of Ser. No. US 1986-825104,
filed on 31 Jan 1986, now abandoned
DT utility

FS Granted
LN.CNT 2264
INCL INCLM: 536/027.000
INCLS: 435/226.000
NCL NCLM: 536/023.510
NCLS: 435/226.000; 536/023.200
IC [5]
ICM: C12N009-48
ICS: C12N009-64; C07H017-00
EXF 536/27; 435/226
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 74 OF 77 USPATFULL on STN
AN 91:73288 USPATFULL
TI Novel prokaryotic expression and secretion system
IN Petro, Joan, Cambridge, MA, United States
Jackson, Jennifer, Reading, MA, United States
Putney, Scott, Arlington, MA, United States
PA Repligen Corporation, Cambridge, MA, United States (U.S. corporation)
PI US 5047334 19910910 <--
AI US 1987-68471 19870630 (7)
DT Utility
FS Granted
LN.CNT 700
INCL INCLM: 435/069.100
INCLS: 435/069.700; 435/069.800; 435/068.800; 435/252.300; 435/252.330;
435/320.100; 536/027.000; 935/029.000; 935/048.000; 935/022.000;
935/073.000
NCL NCLM: 435/069.100
NCLS: 435/069.700; 435/069.800; 435/252.300; 435/252.330; 435/320.100;
536/024.100
IC [5]
ICM: C12N015-31
ICS: C12N015-70; C12N015-03; C12P021-00; C12P021-02
EXF 435/68; 435/70; 435/71; 435/91; 435/172.1; 435/172.3; 435/252.3;
435/252.31-252.35; 435/320; 435/69.1; 435/69.7; 435/69.8; 435/71.2;
435/320.1; 536/27; 935/48; 935/29; 935/72; 935/73; 530/350; 530/825
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 75 OF 77 USPATFULL on STN
AN 89:28059 USPATFULL
TI .alpha.-bromodiethylcarbonate
IN Palmer, Derek R., Heswall, Great Britain
Tyson, Robert G., Prestatyn, Great Britain
PA Astra Lakemedel Aktiebolag, Sweden (non-U.S. corporation)
PI US 4820857 19890411 <--
AI US 1988-183428 19880413 (7)
RLI Continuation of ser. No. US 1986-838168, filed on 10 Mar 1986, now
abandoned which is a division of Ser. No. US 1983-507716, filed on 23
Jun 1983, now patented, Pat. No. US 4606865
PRAI GB 1982-26751 19820920
GB 1982-28622 19821006
GB 1982-32629 19821116
GB 1983-331 19830107
DT Utility
FS Granted
LN.CNT 510
INCL INCLM: 558/277.000
INCLS: 540/318.000; 540/336.000; 540/338.000
NCL NCLM: 558/277.000
NCLS: 540/318.000; 540/336.000; 540/338.000
IC [4]
ICM: C07C069-96
EXF 558/277
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 76 OF 77 USPATFULL on STN
AN 83:23916 USPATFULL
TI Vinblastin-23-oyl amino acid derivatives for use as antitumor agents
IN Trouet, Andre B. L., Winksele, Belgium
Hannart, Jean A. A. J., Dion Valmont, Belgium
Rao, Kandukuri S. B., Rosieres, Belgium
PA Omnicem S.A., Belgium (non-U.S. corporation)
PI US 4388305 19830614 <--
AI US 1981-269876 19810603 (6)
PRAI LU 1980-82514 19800610

LU 1980-83034 19801223
DT Utility
FS Granted
LN.CNT 1073
INCL INCLM: 424/177.000
INCLS: 260/112.500R; 260/244.400; 424/262.000
NCL NCLM: 514/019.000
NCLS: 260/001.000; 514/017.000; 514/018.000; 530/329.000; 530/330.000;
530/331.000; 540/478.000; 930/010.000
IC [3]
ICM: A61K031-475
ICS: C07D519-04
EXF 260/112.5R; 260/244.4; 424/177; 424/262
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 77 OF 77 USPATFULL on STN
AN 80:24419 USPATFULL
TI Method of protecting proteins for animal feed
IN Friedman, Mendel, Moraga, CA, United States
PA The United States of America as represented by the Secretary of
Agriculture, Washington, DC, United States (U.S. government)
PI US 4203892 19800520 <--
AI US 1978-897083 19780417 (5)
DT Utility
FS Granted
LN.CNT 327
INCL INCLM: 260/112.000R
INCLS: 260/112.500R; 260/119.000; 426/656.000
NCL NCLM: 530/409.000
NCLS: 426/656.000; 530/345.000; 530/360.000; 530/408.000; 530/410.000;
530/859.000
IC [2]
ICM: A23K001-00
ICS: C08H001-00
EXF 260/112R; 260/112.5R; 260/119; 426/656
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> S Ser-Arg-Leu OR Val-Leu-Arg
20 FILES SEARCHED...
44 FILES SEARCHED...
56 FILES SEARCHED...

L9 9498 SER-ARG-LEU OR VAL-LEU-ARG

=> DUP REM L9

DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, GENBANK, KOSMET, NUTRACEUT, PHAR,
PHARMAML, RDISCLOSURE, SYNTHLINE'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING IS APPROXIMATELY 10% COMPLETE FOR L9

PROCESSING IS APPROXIMATELY 26% COMPLETE FOR L9

PROCESSING IS APPROXIMATELY 38% COMPLETE FOR L9

PROCESSING IS APPROXIMATELY 50% COMPLETE FOR L9

PROCESSING IS APPROXIMATELY 63% COMPLETE FOR L9

PROCESSING IS APPROXIMATELY 75% COMPLETE FOR L9

PROCESSING IS APPROXIMATELY 87% COMPLETE FOR L9

PROCESSING COMPLETED FOR L9

L10 8458 DUP REM L9 (1040 DUPLICATES REMOVED)

=> S L10 AND PY<=1995

'1995' NOT A VALID FIELD CODE

6 FILES SEARCHED...

9 FILES SEARCHED...

12 FILES SEARCHED...

17 FILES SEARCHED...

'1995' NOT A VALID FIELD CODE

29 FILES SEARCHED...

'1995' NOT A VALID FIELD CODE

38 FILES SEARCHED...

43 FILES SEARCHED...

46 FILES SEARCHED...

'1995' NOT A VALID FIELD CODE

52 FILES SEARCHED...

55 FILES SEARCHED...

L11 521 L10 AND PY<=1995

=> S L11 AND peptide
27 FILES SEARCHED...
L12 316 L11 AND PEPTIDE

=> D L12 250-316

L12 ANSWER 250 OF 316 USPATFULL on STN
AN 90:50877 USPATFULL
TI Chromatographic purification of human proteins having anticoagulant and
anti-inflammatory activity
IN Fujikawa, Kazuo, Seattle, WA, United States
Irani, Meher H., Seattle, WA, United States
Carter, Bruce L. A., Seattle, WA, United States
PA ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
The Board of Regents of the University of Washington, Seattle, WA,
United States (U.S. corporation)
PI US 4937324 19900626 <--
AI US 1988-152383 19880204 (7)
RLI Continuation-in-part of Ser. No. US 1987-59355, filed on 5 Jun 1987
which is a continuation-in-part of Ser. No. US 1987-11782, filed on 6
Feb 1987
DT Utility
FS Granted
LN.CNT 1291
INCL INCLM: 530/397.000
INCLS: 530/412.000; 530/416.000; 530/417.000; 530/420.000; 530/350.000;
530/851.000
NCL NCLM: 530/397.000
NCLS: 530/350.000; 530/412.000; 530/416.000; 530/417.000; 530/420.000;
530/851.000
IC [5]
ICM: C07K003-02
ICS: C07K003-22; C07K003-24; C07K015-06
EXF 530/395; 530/412; 530/414; 530/415; 530/416; 530/417; 530/420; 530/419
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 251 OF 316 USPATFULL on STN
AN 90:30102 USPATFULL
TI Low molecular weight pulmonary surfactant proteins
IN Steinbrink, D. Randall, Melrose, MA, United States
PA Genetics Institute, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 4918161 19900417 <--
AI US 1988-190287 19880504 (7)
RLI Continuation-in-part of Ser. No. US 1987-100372, filed on 24 Sep 1987
Ser. No. Ser. No. US 1986-897183, filed on 15 Aug 1986, now abandoned
And Ser. No. US 1985-781130, filed on 26 Sep 1985, now abandoned, said
Ser. No. 100372 which is a continuation-in-part of Ser. No. 897183
which is a continuation-in-part of Ser. No. 781130
DT Utility
FS Granted
LN.CNT 532
INCL INCLM: 530/300.000
INCLS: 530/324.000
NCL NCLM: 530/300.000
NCLS: 530/324.000
IC [4]
ICM: C07K013-00
ICS: A61K037-02
EXF 514/2; 514/21; 514/12; 530/300; 530/324; 530/325; 530/326; 530/327
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 252 OF 316 USPATFULL on STN
AN 89:94262 USPATFULL
TI Pulmonary surfactant proteins
IN Taeusch, H. William, Redondo Beach, CA, United States
Jacobs, Kenneth A., Newton, MA, United States
Steinbrink, D. Randall, Melrose, MA, United States
Floros, Joanna, West Roxbury, MA, United States
Phelps, David S., West Roxbury, MA, United States
Fritsch, Edward F., Concord, MA, United States
PA Genetics Institute, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 4882422 19891121 <--
AI US 1987-100372 19870924 (7)
RLI Continuation-in-part of Ser. No. US 1985-791120, filed on 26 Sep 1985,

now abandoned And a continuation-in-part of Ser. No. US 1985-897183,
filed on 26 Sep 1985, now abandoned
DT Utility
FS Granted
LN.CNT 737
INCL INCLM: 530/350.000
INCLS: 530/808.000; 435/068.000; 435/070.000; 935/060.000
NCL NCLM: 530/350.000
NCLS: 530/808.000
IC [4]
ICM: C07K013-00
ICS: A61K037-02
EXF 530/300; 530/350; 530/808; 435/68; 435/70; 935/60
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 253 OF 316 USPATFULL on STN
AN 89:78680 USPATFULL
TI Novel procoagulant proteins
IN Toole, Jr., John J., Jamaica Plain, MA, United States
PA Genetics Institute, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 4868112 19890919 <--
WO 8606101 19861023 <--
AI US 1986-10085 19860411 (7)
WO 1986-US774 19860411
19860411 PCT 371 date
19860411 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1985-725350, filed on 12 Apr 1985,
now abandoned
DT Utility
FS Granted
LN.CNT 770
INCL INCLM: 435/068.000
INCLS: 435/070.000; 435/172.300; 435/240.100; 435/240.200; 435/320.000;
435/948.000; 435/252.330; 530/383.000; 536/027.000; 514/002.000;
514/008.000
NCL NCLM: 514/008.000
NCLS: 435/069.600; 435/252.330; 435/325.000; 435/356.000; 435/357.000;
435/358.000; 435/365.000; 435/455.000; 435/948.000; 514/002.000;
530/383.000; 536/023.500; 536/023.510; 930/100.000; 930/300.000
IC [4]
ICM: C12P021-00
ICS: C12P021-02; C12N015-00; C07H015-12
EXF 435/68; 435/70; 435/172.3; 435/253; 435/255; 435/256; 435/240.1;
435/240.2; 435/320; 530/383; 534/27; 935/11; 935/32; 935/34; 935/56;
935/57; 935/60; 935/70; 514/2; 514/8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 254 OF 316 USPATFULL on STN
AN 89:78541 USPATFULL
TI Antibody-therapeutic agent conjugates
IN Goers, John W. F., Atascadero, CA, United States
King, Hurley D., Yardley, PA, United States
Lee, Chyi, New Brunswick, NJ, United States
Coughlin, Daniel J., Plainsboro, NJ, United States
Alvarez, Vernon L., Morrisville, PA, United States
Rodwell, John D., Yardley, PA, United States
McKearn, Thomas J., New Hope, PA, United States
PA Cytogen Corporation, Princeton, NJ, United States (U.S. corporation)
PI US 4867973 19890919 <--
AI US 1984-650375 19840913 (6)
RLI Continuation-in-part of Ser. No. US 1984-646328, filed on 31 Aug 1984
And Ser. No. US 1984-646327, filed on 31 Aug 1984, each which is a
continuation-in-part of Ser. No. US 1982-442050, filed on 16 Nov 1982,
now abandoned which is a continuation-in-part of Ser. No. US
1982-356315, filed on 9 Mar 1982, now patented, Pat. No. US 4671958
DT Utility
FS Granted
LN.CNT 2645
INCL INCLM: 424/085.910
INCLS: 424/085.800; 424/086.000; 424/087.000; 530/387.000; 530/388.000;
530/389.000; 530/390.000; 530/391.000; 530/828.000; 514/002.000;
514/006.000; 514/008.000
NCL NCLM: 424/181.100
NCLS: 424/179.100; 514/002.000; 514/006.000; 514/008.000; 530/388.700;
530/388.900; 530/391.900; 530/828.000; 530/864.000; 530/866.000;

930/010.000; 930/022.000

IC [4]
ICM: A61K039-00
ICS: A61K037-00; A23J037-00
EXF 530/387; 530/388; 530/389; 530/390; 530/391; 530/828; 514/2; 514/68;
424/85; 424/86; 424/87; 427/85.91; 427/85.8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 255 OF 316 USPATFULL on STN
AN 89:71963 USPATFULL
TI Recombinant DNA clone encoding laminin receptor
IN Sobel, Mark E., Bethesda, MD, United States
Liotta, Lance A., Potomac, MD, United States
Wewer, Ulla M., Rockville, MD, United States
Jaye, Michael C., Arlington, VA, United States
Drohan, William N., Springfield, VA, United States
PA The United States of America as represented by the Department of Health
and Human Services, Washington, DC, United States (U.S. government)
PI US 4861710 19890829 <--
AI US 1986-911863 19860926 (6)
DT Utility
FS Granted
LN.CNT 971
INCL INCLM: 435/006.000
INCLS: 536/027.000; 436/813.000; 436/063.000; 935/078.000; 935/009.000;
435/252.800
NCL NCLM: 435/006.000
NCLS: 435/252.800; 436/063.000; 436/813.000; 536/023.100; 536/023.500;
930/010.000; 930/DIG.530; 930/DIG.811

IC [4]
ICM: C12Q001-68
ICS: C07H021-00; C12N001-19; C12N001-185
EXF 536/27; 435/6; 435/803; 435/253; 435/320; 435/252.8; 935/78; 935/9;
436/501; 436/813; 436/63; 530/395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 256 OF 316 USPATFULL on STN
AN 89:49447 USPATFULL
TI Mammal intestinal hormone precursor and its use
IN Gafvelin, Guro, Stockholm, Sweden
Carlquist, Mats, Sundbyberg, Sweden
Mutt, Viktor, Solna, Sweden
PA Kabigen AB, Stockholm, Sweden (non-U.S. corporation)
PI US 4840785 19890620 <--
WO 8605495 19860925 <--
AI US 1986-934449 19861110 (6)
WO 1986-SE100 19860307
19861110 PCT 371 date
19861110 PCT 102(e) date
PRAI SE 1985-1203 19850311
DT Utility
FS Granted
LN.CNT 400
INCL INCLM: 424/009.000
INCLS: 514/012.000; 530/309.000; 530/324.000
NCL NCLM: 435/022.000
NCLS: 436/097.000; 514/012.000; 530/309.000; 530/324.000; 930/010.000;
930/170.000; 930/DIG.821

IC [4]
ICM: A61K049-00
ICS: A61K037-24; C07K007-32
EXF 530/309; 530/324; 514/12; 436/501; 424/9
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 257 OF 316 USPATFULL on STN
AN 89:43417 USPATFULL
TI Specific inhibitors of tissue kallikrein
IN Burton, James A., Jamaica Plain, MA, United States
PA The University Hospital, Boston, MA, United States (U.S. corporation)
PI US 4835253 19890530 <--
AI US 1987-33974 19870403 (7)
DT Utility
FS Granted
LN.CNT 868
INCL INCLM: 530/330.000
INCLS: 530/331.000

NCL NCLM: 530/330.000
NCLS: 530/331.000; 930/010.000; 930/020.000; 930/040.000; 930/250.000
IC [4]
ICM: C07K005-08
ICS: C07K005-10
EXF 530/329; 514/12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 258 OF 316 USPATFULL on STN
AN 89:23404 USPATFULL
TI Immunotherapeutic anti-inflammatory ***peptide*** agents
IN Hahn, Gary S., Cardiff, CA, United States
PA Immunetech Pharmaceuticals, San Diego, CA, United States (U.S. corporation)
PI US 4816449 19890328 <--
AI US 1986-939927 19861209 (6)
RLI Continuation-in-part of Ser. No. US 1986-899891, filed on 25 Aug 1986, now abandoned which is a continuation of Ser. No. US 1986-824945, filed on 3 Feb 1986, now patented, Pat. No. US 4628045 which is a continuation of Ser. No. US 1985-746175, filed on 18 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1983-522601, filed on 12 Aug 1983, now abandoned
DT Utility
FS Granted
LN.CNT 1524
INCL INCLM: 514/017.000
INCLS: 530/330.000
NCL NCLM: 514/017.000
NCLS: 530/330.000; 930/010.000; 930/020.000; 930/021.000
IC [4]
ICM: A61K037-02
ICS: C07K007-06
EXF 530/330; 514/17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 259 OF 316 USPATFULL on STN
AN 89:19280 USPATFULL
TI Vaccine against varicella-zoster virus
IN Ellis, Ronald W., Overbrook Hills, PA, United States
Keller, Paul M., Lansdale, PA, United States
Lowe, Robert S., Harleysville, PA, United States
Davison, Andrew J., Glasgow, Scotland
PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
PI US 4812559 19890314 <--
AI US 1987-28826 19870323 (7)
RLI Division of Ser. No. US 1985-762001, filed on 2 Aug 1985, now patented, Pat. No. US 4686101
DT Utility
FS Granted
LN.CNT 723
INCL INCLM: 536/027.000
INCLS: 435/091.000; 435/068.000; 435/070.000; 435/172.300; 435/317.100; 435/320.000; 935/012.000
NCL NCLM: 536/023.720
NCLS: 435/069.300; 435/091.410; 435/317.100; 930/224.000
IC [4]
ICM: C07H015-12
ICS: C12P021-02; C12N015-00; C12N001-00
EXF 435/68; 435/70; 435/91; 435/235; 435/243; 435/253; 435/372.33; 536/27; 425/85; 425/88; 425/89; 935/12; 935/32; 935/37; 935/57; 935/65
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 260 OF 316 USPATFULL on STN
AN 88:60696 USPATFULL
TI Method for determination of enzyme activity
IN Fujii, Setsuro, Toyonaka, Japan
Sugiyama, Satoshi, Chiba, Japan
Sawai, Syouzou, Chiba, Japan
PA Torii & Co., Inc., Tokyo, Japan (non-U.S. corporation)
PI US 4772553 19880920 <--
AI US 1986-875161 19860617 (6)
RLI Continuation-in-part of Ser. No. US 1983-517314, filed on 26 Jul 1983, now abandoned
PRAI JP 1982-135534 19820803
DT Utility
FS Granted

LN.CNT 722
INCL INCLM: 435/013.000
INCLS: 435/019.000; 435/023.000; 435/184.000
NCL NCLM: 435/013.000
NCLS: 435/019.000; 435/023.000; 435/184.000; 930/010.000; 930/DIG.785
IC [4]
ICM: C12Q001-56
ICS: C12Q001-44; C12Q001-38; C12N009-99
EXF 435/13; 435/23; 435/24; 435/29; 435/34; 435/39; 435/184; 435/19; 436/903
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 261 OF 316 USPATFULL on STN
AN 88:55636 USPATFULL
TI Antigenic modification of polypeptides
IN Stevens, Vernon C., Dublin, OH, United States
PA The Ohio State University, Columbus, OH, United States (U.S. corporation)
PI US 4767842 19880830 <--
AI US 1987-73570 19870715 (7)
RLI Division of Ser. No. US 1984-667863, filed on 2 Nov 1984, now patented, Pat. No. US 4691006 which is a continuation-in-part of Ser. No. US 1983-472190, filed on 4 Mar 1983, now patented, Pat. No. US 4526716 which is a continuation-in-part of Ser. No. US 1981-323690, filed on 20 Nov 1981, now patented, Pat. No. US 4384995 which is a continuation-in-part of Ser. No. US 1981-112628, filed on 16 Jan 1981, now patented, Pat. No. US 4302386 which is a division of Ser. No. US 1978-936876, filed on 25 Aug 1978, now patented, Pat. No. US 4201770 which is a continuation-in-part of Ser. No. US 1975-622031, filed on 14 Oct 1975, now abandoned which is a continuation-in-part of Ser. No. US 1974-462955, filed on 22 Apr 1974, now abandoned which is a continuation-in-part of Ser. No. US 1973-406821, filed on 16 Oct 1973, now abandoned which is a continuation-in-part of Ser. No. US 1973-357892, filed on 7 May 1973, now abandoned
DT Utility
FS Granted
LN.CNT 5101
INCL INCLM: 530/324.000
INCLS: 530/325.000; 530/326.000
NCL NCLM: 530/324.000
NCLS: 530/325.000; 530/326.000; 930/280.000
IC [4]
ICM: C07K007-10
EXF 530/324; 530/325; 530/326

L12 ANSWER 262 OF 316 USPATFULL on STN
AN 88:53797 USPATFULL
TI Lipids with plasmin inhibitory properties
IN Catsimpoalas, Nicholas, Newton Centre, MA, United States
PA Trustees of Boston University, Boston, MA, United States (U.S. corporation)
PI US 4766111 19880823 <--
AI US 1987-11819 19870323 (7)
RLI Division of Ser. No. US 1985-793645, filed on 31 Oct 1985, now patented, Pat. No. US 4673667
DT Utility
FS Granted
LN.CNT 367
INCL INCLM: 514/025.000
INCLS: 514/078.000; 514/822.000; 514/824.000
NCL NCLM: 514/025.000
NCLS: 514/078.000; 514/822.000; 514/824.000
IC [4]
ICM: A61K031-70
ICS: A61K031-685
EXF 514/25; 514/78; 514/822; 514/824
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 263 OF 316 USPATFULL on STN
AN 88:42429 USPATFULL
TI Process for the preparation of ***peptides*** by use of perchlorates
IN Konig, Wolfgang, Hofheim am Taunus, Germany, Federal Republic of
Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
PA Hoechst Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)
PI US 4755591 19880705 <--
AI US 1986-935758 19861128 (6)

PRAI DE 1985-3542442 19851130
DT Utility
FS Granted
LN.CNT 644
INCL INCLM: 530/309.000
INCLS: 530/338.000; 530/339.000
NCL NCLM: 530/309.000
NCLS: 530/338.000; 530/339.000; 930/010.000; 930/DIG.650
IC [4]
ICM: C07K001-02
ICS: C07K001-06
EXF 530/309; 530/338; 530/339
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 264 OF 316 USPATFULL on STN
AN 88:40628 USPATFULL
TI Method of blocking immune complex binding to immunoglobulin Fc receptors
IN Hahn, Gary S., San Diego, CA, United States
PA Immunetech Pharmaceuticals, San Diego, CA, United States (U.S. corporation)
PI US 4753927 19880628 <--
AI US 1986-820137 19860121 (6)
RLI Division of Ser. No. US 1983-522739, filed on 12 Aug 1983, now patented, Pat. No. US 4579840
DT Utility
FS Granted
LN.CNT 1491
INCL INCLM: 514/013.000
INCLS: 514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/885.000
NCL NCLM: 514/013.000
NCLS: 514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/885.000; 930/010.000; 930/021.000; 930/DIG.802; 930/DIG.811
IC [4]
ICM: A61K037-02
EXF 514/14; 514/15; 514/16; 514/814; 514/824; 514/866; 514/885; 514/886; 514/903; 514/17; 514/18; 514/13
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 265 OF 316 USPATFULL on STN
AN 88:39188 USPATFULL
TI Method of blocking immune complex binding to immunoglobulin FC receptors
IN Hahn, Gary S., San Diego, CA, United States
PA Immunetech Pharmaceuticals, San Diego, CA, United States (U.S. corporation)
PI US 4752601 19880621 <--
AI US 1986-846930 19860401 (6)
RLI Division of Ser. No. US 1983-522739, filed on 12 Aug 1983, now patented, Pat. No. US 4579840
DT Utility
FS Granted
LN.CNT 1443
INCL INCLM: 514/014.000
INCLS: 514/015.000; 514/885.000
NCL NCLM: 514/014.000
NCLS: 514/015.000; 514/885.000; 930/010.000; 930/021.000; 930/DIG.802; 930/DIG.811
IC [4]
ICM: A61K037-02
EXF 514/14; 514/15; 514/885
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 266 OF 316 USPATFULL on STN
AN 88:29501 USPATFULL
TI Process for producing human epidermal growth factor and analogs thereof
IN Cohen, Charles M., Medway, MA, United States
Crea, Roberto, Bellingham, CA, United States
PA Creative Biomolecules, Inc., Hopkinton, MA, United States (U.S. corporation)
PI US 4743679 19880510 <--
AI US 1986-832337 19860224 (6)
DT Utility
FS Granted
LN.CNT 786
INCL INCLM: 530/350.000
INCLS: 530/324.000; 935/047.000; 935/048.000
NCL NCLM: 530/350.000

IC NCLS: 530/324.000; 930/120.000; 930/260.000; 930/300.000

[4]

ICM: C07K013-00

ICS: C07K007-10; C12N015-00

EXF 530/324; 530/350; 935/47; 935/48

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 267 OF 316 USPATFULL on STN

AN 87:75074 USPATFULL

TI Water-soluble acylated derivatives of ***peptides*** or amino acids,
their preparation and their use

IN Monsigny, Michel, Saint Cyr En Val, France

Mayer, Roger, Orleans, France

PA Centre National de la Recherche Scientifique (CNRS), Paris, France
(non-U.S. government)

PI US 4703107 19871027 <--

AI US 1985-804115 19851203 (6)

RLI Continuation-in-part of Ser. No. US 1984-610112, filed on 14 May 1984,
now abandoned

PRAI FR 1983-8051 19830516

DT Utility

FS Granted

LN.CNT 927

INCL INCLM: 530/330.000

INCLS: 530/331.000

NCL NCLM: 530/330.000

NCLS: 530/331.000; 930/020.000; 930/021.000; 930/280.000; 930/DIG.785;
930/DIG.802

IC [4]

ICM: C07K007-06

ICS: C07K005-06; C07K005-08; C07K005-10

EXF 548/227; 530/330; 530/331

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 268 OF 316 USPATFULL on STN

AN 87:56973 USPATFULL

TI Immunotherapeutic polypeptide agents which block immune complex binding
to immunoglobulin Fc receptors

IN Hahn, Gary S., San Diego, CA, United States

PA Immunetech, Inc., San Diego, CA, United States (U.S. corporation)

PI US 4686282 19870811 <--

AI US 1983-522738 19830812 (6)

DT Utility

FS Granted

LN.CNT 1423

INCL INCLM: 530/327.000

INCLS: 530/328.000; 530/329.000

NCL NCLM: 530/327.000

NCLS: 530/328.000; 530/329.000; 930/010.000; 930/DIG.802; 930/DIG.811

IC [4]

ICM: C07K007-06

ICS: C07K007-08

EXF 260/112.5R; 530/327; 530/328; 530/329

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 269 OF 316 USPATFULL on STN

AN 87:56794 USPATFULL

TI Vaccine against varicella-zoster virus

IN Ellis, Ronald W., Overbrook Hills, PA, United States

Lowe, Robert S., Harleysville, PA, United States

Keller, Paul M., Lansdale, PA, United States

Davison, Andrew J., Glasgow, Scotland

PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

PI US 4686101 19870811 <--

AI US 1985-762001 19850802 (6)

DT Utility

FS Granted

LN.CNT 470

INCL INCLM: 424/088.000

INCLS: 530/350.000

NCL NCLM: 424/186.100

NCLS: 424/230.100; 530/350.000; 530/389.400; 536/023.720; 930/224.000

IC [4]

ICM: A61K039-00

ICS: C07K013-00

EXF 435/84; 424/88; 530/350

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 270 OF 316 USPATFULL on STN
AN 87:53730 USPATFULL
TI Immunotherapeutic polypeptide agents which bind to lymphocyte immunoglobulin FC receptors
IN Hahn, Gary S., San Diego, CA, United States
PA Immunetech, Inc., San Diego, CA, United States (U.S. corporation)
PI US 4683292 19870728 <--
AI US 1983-522602 19830812 (6)
DT Utility
FS Granted
LN.CNT 1495
INCL INCLM: 530/328.000
NCL NCLM: 530/328.000
NCLS: 930/010.000; 930/020.000; 930/DIG.785; 930/DIG.788; 930/DIG.802; 930/DIG.811
IC [4]
ICM: C07K007-06
EXF 260/112.5R

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 271 OF 316 USPATFULL on STN
AN 87:52156 USPATFULL
TI Enzymatic assay method
IN Matsumoto, Kunio, Shizuoka, Japan
Hirata, Tsutomu, Shizuoka, Japan
PA Toyo Jozo Kabushiki Kaisha, Shizuoka, Japan (non-U.S. corporation)
PI US 4681841 19870721 <--
AI US 1983-538680 19831003 (6)
PRAI JP 1982-173569 19821001
DT Utility
FS Granted
LN.CNT 1896
INCL INCLM: 435/018.000
INCLS: 435/004.000; 435/014.000; 435/019.000; 435/021.000; 435/022.000; 435/023.000; 435/024.000; 435/025.000; 435/817.000
NCL NCLM: 435/018.000
NCLS: 435/004.000; 435/014.000; 435/019.000; 435/021.000; 435/022.000; 435/023.000; 435/024.000; 435/025.000; 435/817.000
IC [4]
ICM: C12Q001-00
ICS: C12Q001-34; C12Q001-44; G01N033-50
EXF 435/4; 435/14; 435/18; 435/19; 435/21; 435/22; 435/23; 435/24; 435/25; 435/28; 435/817

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 272 OF 316 USPATFULL on STN
AN 87:43347 USPATFULL
TI Lipids with plasmin inhibitory properties
IN Catsimpoolas, Nicholas, Newton Centre, MA, United States
PA Trustees of Boston University, Boston, MA, United States (U.S. corporation)
PI US 4673667 19870616 <--
AI US 1985-793645 19851031 (6)
DT Utility
FS Granted
LN.CNT 355
INCL INCLM: 514/025.000
INCLS: 514/054.000
NCL NCLM: 514/025.000
NCLS: 514/054.000
IC [4]
ICM: A61K031-70
ICS: A61K031-715
EXF 424/95; 514/54; 514/25

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 273 OF 316 USPATFULL on STN
AN 87:36197 USPATFULL
TI Method for producing an active protein
IN Ishida, Torao, Nagareyama, Japan
PA Asahi Kasei Kogyo Kabushiki Kaisha, Osaka, Japan (non-U.S. corporation)
PI US 4667017 19870519 <--
AI US 1984-640819 19840815 (6)
PRAI JP 1983-148026 19830815

DT Utility
FS Granted
LN.CNT 1917
INCL INCLM: 530/402.000
INCLS: 530/339.000
NCL NCLM: 530/402.000
NCLS: 530/339.000; 930/010.000; 930/141.000; 930/142.000; 930/240.000
IC [4]
ICM: C07K001-02
EXF 260/112.5R; 530/402; 530/339
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 274 OF 316 USPATFULL on STN
AN 87:34067 USPATFULL
TI Chromogenic compounds, a process for their preparation and their use
IN Heber, Helmut, Marburg, Germany, Federal Republic of
Eberle, Reinhard, Lahntal, Germany, Federal Republic of
Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
PA Behringwerke Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)
PI US 4665016 19870512 <--
AI US 1986-843919 19860321 (6)
RLI Continuation of Ser. No. US 1985-691867, filed on 16 Jan 1985, now abandoned which is a division of Ser. No. US 1983-554942, filed on 25 Nov 1983, now patented, Pat. No. US 4508644
PRAI GB 1982-3244030 19821127
DT Utility
FS Granted
LN.CNT 1133
INCL INCLM: 435/023.000
NCL NCLM: 435/023.000
NCLS: 930/020.000; 930/021.000; 930/280.000; 930/DIG.782; 930/DIG.783; 930/DIG.785
IC [4]
ICM: C12Q001-38
EXF 435/23
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 275 OF 316 USPATFULL on STN
AN 87:18705 USPATFULL
TI Novel substrates for use in measuring the concentration of kallikrein in urine
IN Nagasawa, Takeshi, Urawa, Japan
Nakamura, Yoshio, Koriyama, Japan
Kuroiwa, Katsumasa, Koriyama, Japan
PA Nitto Boseki Co., Ltd., Fukushima, Japan (non-U.S. corporation)
PI US 4650753 19870317 <--
AI US 1985-749890 19850627 (6)
PRAI JP 1984-137230 19840704
DT Utility
FS Granted
LN.CNT 551
INCL INCLM: 435/023.000
INCLS: 435/810.000; 530/331.000; 530/802.000
NCL NCLM: 435/023.000
NCLS: 435/810.000; 530/331.000; 530/802.000
IC [4]
ICM: C12Q001-38
ICS: C07K005-08
EXF 530/331; 530/802; 435/23; 435/810
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 276 OF 316 USPATFULL on STN
AN 86:69742 USPATFULL
TI Immunotherapeutic antiallergic polypeptide agents which bind to basophil immunoglobulin Fc receptors
IN Hahn, Gary S., Solana Beach, CA, United States
PA Immunetech Pharmaceuticals, San Diego, CA, United States (U.S. corporation)
PI US 4628045 19861209 <--
AI US 1986-824945 19860203 (6)
RLI Continuation of Ser. No. US 1985-746175, filed on 18 Jun 1985, now abandoned which is a continuation-in-part of Ser. No. US 1983-522601, filed on 12 Aug 1983, now abandoned
PRAI ZA 1984-6192 19840809
DT Utility

FS Granted
LN.CNT 1813
INCL INCLM: 514/017.000
INCLS: 530/330.000
NCL NCLM: 514/017.000
NCLS: 530/330.000; 930/010.000; 930/DIG.802
IC [4]
ICM: A61K037-02
ICS: C07K007-06
EXF 514/17; 530/330
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 277 OF 316 USPATFULL on STN
AN 86:18655 USPATFULL
TI Method of blocking immune complex binding to immunoglobulin Fc receptors
IN Hahn, Gary S., San Diego, CA, United States
PA Immunetech Pharmaceuticals, San Diego, CA, United States (U.S. corporation)
PI US 4579840 19860401 <--
AI US 1983-522739 19830812 (6)
DT Utility
FS Granted
LN.CNT 1475
INCL INCLM: 514/014.000
INCLS: 514/015.000; 514/016.000; 514/017.000; 514/018.000; 260/112.500R
NCL NCLM: 514/014.000
NCLS: 514/015.000; 514/016.000; 514/017.000; 514/018.000; 530/327.000;
530/328.000; 530/329.000; 530/330.000; 530/387.100; 530/861.000;
530/866.000; 530/868.000; 930/010.000; 930/020.000; 930/021.000;
930/DIG.802
IC [4]
ICM: A61K037-00
ICS: C07C103-52
EXF 260/112.5R; 514/14; 514/15; 514/16; 514/17; 514/18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 278 OF 316 USPATFULL on STN
AN 86:6593 USPATFULL
TI Tripeptide derivatives
IN Svendsen, Lars G., Reinach, Switzerland
PA Pentapharm AG, Basel, Switzerland (non-U.S. corporation)
PI US 4568636 19860204 <--
AI US 1983-548438 19831103 (6)
RLI Division of Ser. No. US 1981-247621, filed on 25 Mar 1981, now patented,
Pat. No. US 4428874
DT Utility
FS Granted
LN.CNT 2901
INCL INCLM: 435/013.000
INCLS: 435/023.000; 435/184.000
NCL NCLM: 435/013.000
NCLS: 435/023.000; 435/184.000
IC [4]
ICM: C12Q001-56
ICS: C12Q001-38
EXF 435/4; 435/23; 435/24; 435/13; 435/184
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 279 OF 316 USPATFULL on STN
AN 86:824 USPATFULL
TI Radiolabelled substrates for assaying mammalian enzymes
IN Ryan, James W., Miami, FL, United States
Chung, Alfred, Miami, FL, United States
PA University of Miami, Miami, FL, United States (U.S. corporation)
PI US 4563305 19860107 <--
AI US 1981-222980 19810107 (6)
DT Utility
FS Granted
LN.CNT 1791
INCL INCLM: 260/112.500R
NCL NCLM: 530/331.000
NCLS: 260/001.000; 530/802.000; 930/020.000; 930/021.000; 930/280.000;
930/DIG.803
IC [4]
ICM: C07C103-52
EXF 435/7; 260/112.5R

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 280 OF 316 USPATFULL on STN
AN 85:38682 USPATFULL
TI Antigenic modification of polypeptides
IN Stevens, Vernon C., Dublin, OH, United States
PA The Ohio State University, Columbus, OH, United States (U.S. corporation)
PI US 4526716 19850702 <--
AI US 1983-472190 19830304 (6)
RLI Continuation-in-part of Ser. No. US 1981-323690, filed on 20 Nov 1981, now patented, Pat. No. US 4384995 which is a continuation-in-part of Ser. No. US 1980-112628, filed on 16 Jan 1980, now patented, Pat. No. US 4302386 which is a division of Ser. No. US 1978-936876, filed on 25 Aug 1978, now patented, Pat. No. US 4201770 which is a continuation-in-part of Ser. No. US 1975-622031, filed on 14 Oct 1975, now abandoned which is a continuation-in-part of Ser. No. US 1974-462955, filed on 22 Apr 1974, now abandoned which is a continuation-in-part of Ser. No. US 1973-406821, filed on 16 Oct 1973, now abandoned which is a continuation-in-part of Ser. No. US 1973-357892, filed on 7 May 1973, now abandoned
DT Utility
FS Granted
LN.CNT 4082
INCL INCLM: 260/112.500R
INCLS: 260/112.000R
NCL NCLM: 530/403.000
NCLS: 530/324.000; 530/404.000; 530/806.000; 930/110.000
IC [3]
ICM: C07C103-52
ICS: C07G007-00
EXF 424/177; 260/112.5R; 260/112R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 281 OF 316 USPATFULL on STN
AN 85:19238 USPATFULL
TI Chromogenic compounds, a process for their preparation and their use
IN Heber, Helmut, Marburg, Germany, Federal Republic of
Eberle, Reinhard, Lahntal, Germany, Federal Republic of
Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
PA Behringwerke Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)
PI US 4508644 19850402 <--
AI US 1983-554942 19831125 (6)
PRAI DE 1982-3244030 19821127
DT Utility
FS Granted
LN.CNT 1094
INCL INCLM: 260/112.500R
NCL NCLM: 530/331.000
NCLS: 530/332.000; 930/010.000; 930/020.000; 930/021.000; 930/280.000; 930/DIG.782; 930/DIG.783; 930/DIG.785; 930/DIG.803
IC [3]
ICM: C07C103-52
EXF 260/112.5R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 282 OF 316 USPATFULL on STN
AN 85:16241 USPATFULL
TI 7-Amino-4-trifluoromethylquinolone derived substrates and method for determining enzymes and inhibitors
IN Rasnick, David W., Sunol, CA, United States
Bissell, Eugene R., Alamo, CA, United States
PA Enzyme Systems Products, Dublin, CA, United States (U.S. corporation)
PI US 4505852 19850319 <--
AI US 1982-445280 19821129 (6)
DT Utility
FS Granted
LN.CNT 532
INCL INCLM: 260/112.500R
NCL NCLM: 530/329.000
NCLS: 530/330.000; 930/021.000; 930/DIG.782
IC [3]
ICM: C07C103-52
EXF 260/112.5R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 283 OF 316 USPATFULL on STN
 AN 84:63664 USPATFULL
 TI Method of preparation of human urine origin colony-stimulating factor and kallikrein
 IN Funakoshi, Satoshi, Katano, Japan
 Morimoto, Kazuo, Fukuchiyama, Japan
 Kuboyama, Morio, Tokyo, Japan
 Yanai, Nobuya, Tokyo, Japan
 Yamada, Muneo, Kawasaki, Japan
 Yokota, Hajime, Tokyo, Japan
 PA The Green Cross Corp., Osaka, Japan (non-U.S. corporation)
 Morinaga Milk Industry Co., Ltd., Tokyo, Japan (non-U.S. corporation)
 PI US 4482485 19841113 <--
 AI US 1984-568259 19840104 (6)
 PRAI JP 1983-11317 19830128
 DT Utility
 FS Granted
 LN.CNT 473
 INCL INCLM: 260/112.000R
 INCLS: 424/099.000; 424/177.000; 260/112.500R; 435/219.000; 435/226.000
 NCL NCLM: 530/397.000
 NCLS: 424/545.000; 435/219.000; 435/226.000; 514/929.000; 530/351.000; 530/395.000; 530/417.000; 530/834.000
 IC [3]
 ICM: A61K035-22
 ICS: C07G007-00
 EXF 260/112R; 260/112.5R; 435/219; 435/226; 424/99; 424/177
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 284 OF 316 USPATFULL on STN
 AN 84:37088 USPATFULL
 TI Chromogenic compounds and their use as enzyme substrates
 IN Karges, Hermann E., Marburg an der Lahn, Germany, Federal Republic of
 Heber, Helmut, Marburg an der Lahn, Germany, Federal Republic of
 Uhmann, Rainer, Kriftel, Germany, Federal Republic of
 Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
 Geiger, Rolf, Frankfurt am Main, Germany, Federal Republic of
 PA Behringwerke Aktiengesellschaft, Marburg an der Lahn, Germany, Federal Republic of (non-U.S. corporation)
 PI US 4457866 19840703 <--
 AI US 1982-435610 19821019 (6)
 RLI Continuation of Ser. No. US 1980-185007, filed on 8 Sep 1980, now abandoned
 PRAI DE 1979-2936543 19790910
 DT Utility
 FS Granted
 LN.CNT 990
 INCL INCLM: 260/112.500R
 INCLS: 435/004.000
 NCL NCLM: 530/329.000
 NCLS: 435/004.000; 530/330.000; 530/331.000; 530/802.000; 930/010.000; 930/020.000; 930/021.000; 930/023.000; 930/024.000; 930/280.000; 930/DIG.782; 930/DIG.785; 930/DIG.802
 IC [3]
 ICM: C07C103-52
 ICS: C12Q001-00
 EXF 260/112.5R; 435/4
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 285 OF 316 USPATFULL on STN
 AN 84:5881 USPATFULL
 TI Tripeptide derivatives
 IN Svendsen, Lars G., Reinach, Switzerland
 PA Pentapharm A.G., Basel, Switzerland (non-U.S. corporation)
 PI US 4428874 19840131 <--
 AI US 1981-247621 19810325 (6)
 DT Utility
 FS Granted
 LN.CNT 2828
 INCL INCLM: 260/112.500R
 INCLS: 435/024.000
 NCL NCLM: 530/331.000
 NCLS: 435/024.000
 IC [3]
 ICM: C07C103-52

ICS: C12Q001-36
EXF 260/112.5R; 435/24
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 286 OF 316 USPATFULL on STN
AN 83:45202 USPATFULL
TI Purification of nucleotide sequences suitable for expression in bacteria
IN Goodman, Howard M., San Francisco, CA, United States
Shine, John, San Francisco, CA, United States
Seeburg, Peter H., San Francisco, CA, United States
PA The Regents of the University of California, Berkeley, CA, United States
(U.S. corporation)
PI US 4407948 19831004 <--
AI US 1982-346123 19820205 (6)
RLI Division of Ser. No. US 1978-897710, filed on 19 Apr 1978, now patented,
Pat. No. US 4363877 And a continuation-in-part of Ser. No. US
1977-836218, filed on 23 Sep 1977, now abandoned
DT Utility
FS Granted
LN.CNT 1534
INCL INCLM: 435/091.000
INCLS: 435/172.000
NCL NCLM: 435/091.520
NCLS: 435/091.530; 435/270.000; 536/023.100; 930/010.000; 930/120.000
IC [3]
ICM: C12P019-34
ICS: C12N015-00
EXF 435/93; 435/91; 435/172
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 287 OF 316 USPATFULL on STN
AN 82:60425 USPATFULL
TI Recombinant DNA transfer vectors
IN Goodman, Howard M., San Francisco, CA, United States
Shine, John, San Francisco, CA, United States
Seeburg, Peter H., San Francisco, CA, United States
PA The Regents of the University of California, Berkeley, CA, United States
(U.S. corporation)
PI US 4363877 19821214 <--
AI US 1978-897710 19780419 (5)
RLI Continuation-in-part of Ser. No. US 1977-836218, filed on 23 Sep 1977,
now abandoned
DT Utility
FS Granted
LN.CNT 1758
INCL INCLM: 435/317.000
INCLS: 435/172.000; 435/068.000; 435/091.000; 435/849.000
NCL NCLM: 435/320.100
NCLS: 435/069.400; 435/091.410; 435/849.000; 536/023.510; 930/010.000;
930/120.000
IC [3]
ICM: C12N001-00
EXF 435/172; 435/317; 435/820; 435/68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 288 OF 316 USPATFULL on STN
AN 81:16479 USPATFULL
TI Pentapeptide modified resin
IN Goldstein, Gideon, Short Hills, NJ, United States
Schlesinger, David H., Lombard, IL, United States
PA Sloan-Kettering Institute for Cancer Research, New York, NY, United
States (U.S. corporation)
PI US 4258151 19810324 <--
AI US 1979-47907 19790612 (6)
RLI Division of Ser. No. US 1979-6894, filed on 26 Jan 1979, now patented,
Pat. No. US 4190647, issued on 26 Feb 1980 which is a
continuation-in-part of Ser. No. US 1977-851778, filed on 15 Dec 1977,
now abandoned which is a continuation-in-part of Ser. No. US
1975-631176, filed on 11 Nov 1975, now abandoned
DT Utility
FS Granted
LN.CNT 772
INCL INCLM: 525/327.000
INCLS: 260/009.000; 525/058.000; 525/061.000; 525/332.000; 525/335.000;
525/381.000; 525/382.000; 525/379.000; 525/380.000; 525/386.000;
528/310.000; 528/328.000; 536/030.000

NCL NCLM: 525/054.110
NCLS: 523/105.000; 524/021.000; 525/058.000; 525/061.000; 525/379.000;
525/380.000; 525/381.000; 525/382.000; 525/386.000; 528/310.000;
528/328.000; 536/030.000; 930/010.000; 930/180.000; 930/280.000

IC [1]

ICM: C08F008-30

EXF 528/328; 528/310; 260/9; 260/58; 525/61; 525/327; 525/332; 525/335;
525/380; 536/30

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 289 OF 316 USPATFULL on STN

AN 80:57708 USPATFULL

TI .alpha.-N-Acetyl-L-phenylalanyl-L-arginine ethyl ester

IN Fiedler, Franz, Munich, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)

PI US 4234477 19801118

<--

AI US 1979-18702 19790308 (6)

PRAI DE 1978-2813772 19780330

DT Utility

FS Granted

LN.CNT 260

INCL INCLM: 260/112.500R

INCLS: 435/024.000

NCL NCLM: 560/034.000

NCLS: 260/001.000; 435/024.000

IC [1]

ICM: C07C103-52

ICS: C12Q001-36

EXF 260/112.5R; 435/24

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 290 OF 316 USPATFULL on STN

AN 80:7863 USPATFULL

TI Process for determining bacterial endotoxin and reagents used therefor

IN Iwanaga, Sadaaki, Suita, Japan

Morita, Takashi, Takatsuki, Japan

Nakamura, Shin, Inuyama, Japan

Takahashi, Kenji, Inuyama, Japan

Niwa, Makoto, Sakai, Japan

PA Seikagaku Kogyo Co. Ltd., Tokyo, Japan (non-U.S. corporation)

PI US 4188264 19800212

<--

AI US 1977-847582 19771101 (5)

PRAI JP 1977-70335 19770614

DT Utility

FS Granted

LN.CNT 534

INCL INCLM: 023/230.000B

INCLS: 435/019.000; 435/023.000

NCL NCLM: 435/018.000

NCLS: 435/019.000; 435/023.000; 930/021.000; 930/280.000; 930/DIG.785;
930/DIG.803

IC [2]

ICM: G01N031-14

EXF 195/99; 195/103.5R

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 291 OF 316 USPATFULL on STN

AN 79:42224 USPATFULL

TI Polypeptide agents for blocking the human allergic response

IN Hamburger, Robert N., La Jolla, CA, United States

PA The Regents of the University of California, Berkeley, CA, United States
(U.S. corporation)

PI US 4171299 19791016

<--

AI US 1976-652868 19760127 (5)

RLI Continuation-in-part of Ser. No. US 1975-565425, filed on 4 Apr 1975,
now abandoned

DT Utility

FS Granted

LN.CNT 1012

INCL INCLM: 260/112.500R

NCL NCLM: 530/329.000

NCLS: 530/328.000; 530/330.000; 530/331.000; 930/010.000

IC [2]

ICM: C07C103-52

EXF 260/112.5R

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 292 OF 316 USPATFULL on STN
AN 79:31571 USPATFULL
TI Method for blocking allergic responses
IN Hamburger, Robert N., La Jolla, CA, United States
PA The Regents of the University of California, Berkeley, CA, United States
(U.S. corporation)
PI US 4161522 19790717 <--
AI US 1978-940323 19780907 (5)
RLI Continuation-in-part of Ser. No. US 1976-652868, filed on 27 Jan 1976,
now Defensive Publication No. which is a continuation-in-part of Ser.
No. US 1975-565425, filed on 4 Apr 1975, now abandoned
DT Utility
FS Granted
LN.CNT 1152
INCL INCLM: 424/177.000
INCLS: 260/112.500R
NCL NCLM: 514/015.000
NCLS: 514/016.000; 514/017.000; 514/018.000; 530/328.000; 530/329.000;
530/330.000; 530/331.000; 930/010.000
IC [2]
ICM: A61K037-00
ICS: C07C103-52
EXF 424/177; 260/112.5R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 293 OF 316 USPATFULL on STN
AN 78:63772 USPATFULL
TI Octapeptide useful for the treatment of diabetes
IN Bornstein, Joseph, Clayton, Australia
PA Choay S.A., Paris, France (non-U.S. corporation)
PI US 4125606 19781114 <--
AI US 1975-644845 19751229 (5)
PRAI FR 1974-43513 19741231
DT Utility
FS Granted
LN.CNT 639
INCL INCLM: 424/178.000
INCLS: 260/112.500R; 424/177.000
NCL NCLM: 514/016.000
NCLS: 514/866.000; 530/328.000; 930/DIG.802
IC [2]
ICM: A61K037-00
ICS: A61K037-26; C07C103-52
EXF 260/112.5R; 260/112.7; 424/177; 424/178
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 294 OF 316 USPATFULL on STN
AN 78:34881 USPATFULL
TI Process for the purification and manufacture of secretin
IN Konig, Wolfgang, Hofheim am Taunus, Germany, Federal Republic of
Geiger, Rolf, Frankfurt am Main, Germany, Federal Republic of
Obermeier, Rainer, Hattersheim, Germany, Federal Republic of
Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
PA Hoechst Aktiengesellschaft, Frankfurt am Main, Germany, Federal Republic
of (non-U.S. corporation)
PI US 4098779 19780704 <--
AI US 1977-785181 19770406 (5)
PRAI DE 1976-2615229 19760408
DT Utility
FS Granted
LN.CNT 311
INCL INCLM: 260/112.500R
NCL NCLM: 530/309.000
NCLS: 530/344.000; 930/010.000; 930/DIG.651
IC [2]
ICM: C07C103-52
EXF 260/112.5R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 295 OF 316 USPATFULL on STN
AN 77:8303 USPATFULL
TI Nonapeptide amide analogs of luteinizing releasing hormone
IN Fujino, Masahiko, Takarazuka, Japan
Fukuda, Tsunehiko, Osaka, Japan

Shinagawa, Susumu, Osaka, Japan
 PA Takeda Chemical Industries, Ltd., Osaka, Japan (non-U.S. corporation)
 PI US 4008209 19770215 <--
 AI US 1975-595308 19750711 (5)
 RLI Continuation of Ser. No. US 1974-509357, filed on 24 Sep 1974, now
 abandoned
 PRAI JP 1973-109951 19730929
 JP 1974-27442 19740308
 DT Utility
 FS Granted
 LN.CNT 1388
 INCL INCLM: 260/112.500LH
 INCLS: 424/177.000
 NCL NCLM: 530/313.000
 NCLS: 514/800.000; 530/328.000; 930/020.000; 930/021.000; 930/130.000;
 930/DIG.698; 930/DIG.782; 930/DIG.783; 930/DIG.785
 IC [2]
 ICM: C07C103-52
 ICS: A61K037-00
 EXF 260/112.5LH
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 296 OF 316 USPATFULL on STN
 AN 75:27839 USPATFULL
 TI New substrates for diagnostic use, with high susceptibility to trypsin
 and other proteolytic enzymes of the type ***peptide***
 peptidohydrolases
 IN Claeson, Karl Goran, Goteborg, Sweden
 Karlsson, Birgitta Gunilla, Goteborg, Sweden
 Svendsen, Lars-Gundro, Molndal, Sweden
 PA AB Bofors, Bofors, Sweden (non-U.S. corporation)
 PI US 3886136 19750527 <--
 AI US 1973-354038 19730424 (5)
 PRAI SE 1972-5758 19720502
 DT Utility
 FS Granted
 LN.CNT 976
 INCL INCLM: 260/112.500
 INCLS: 195/103.500; 424/177.000
 NCL NCLM: 530/331.000
 NCLS: 435/013.000; 435/024.000; 530/802.000; 546/171.000
 IC [1]
 ICM: C07C103-52
 ICS: C07G007-00; A61K027-00
 EXF 260/112.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 297 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1995-147389 [19] WPIDS
 DNC C1995-068409
 TI New endothelial monocyte activating polypeptide II - induces chemotaxis,
 inflammation and tissue factor, useful for treating tumours, also related
 antibodies, DNA and active fragments.
 DC B04 D16
 IN CLAUSS, M; KAO, J; KAYTON, M; LIBUTTI, S K; STERN, D M
 PA (UYCO) UNIV COLUMBIA NEW YORK
 CYC 21
 PI WO 9509180 A1 19950406 (199519)* EN 180p C07K001-36 <--
 RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
 W: AU CA JP US
 AU 9479615 A 19950418 (199531) C07K001-36 <--
 EP 721463 A1 19960717 (199633) EN C07K001-36
 R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
 US 5641867 A 19970624 (199731) 45p C07K016-24
 JP 09505987 W 19970617 (199734) 162p C12N015-09
 EP 721463 A4 19970625 (199746) C07K001-36
 US 6228837 B1 20010508 (200128) A61K038-00
 US 2002160957 A1 20021031 (200274) A61K038-10
 ADT WO 9509180 A1 WO 1994-US11085 19940929; AU 9479615 A AU 1994-79615
 19940929; EP 721463 A1 EP 1994-930525 19940929; WO 1994-US11085 19940929;
 US 5641867 A US 1993-129456 19930929; JP 09505987 W WO 1994-US11085
 19940929; JP 1995-510465 19940929; EP 721463 A4 EP 1994-930525 ;
 US 6228837 B1 CIP of US 1993-129456 19930929; WO 1994-US11085 19940929, US
 1996-360821 19961008; US 2002160957 A1 CIP of US 1993-129456 19930929,
 Cont of US 1996-360821 19961008, US 2001-851026 20010507
 FDT AU 9479615 A Based on WO 9509180; EP 721463 A1 Based on WO 9509180; JP

09505987 W Based on WO 9509180; US 6228837 B1 CIP of US 5641867, Based on WO 9509180

PRAI US 1993-129456 19930929; US 1996-360821 19961008

IC ICM A61K038-00; A61K038-10; C07K001-36; C07K016-24; C12N015-09

ICS A61K038-19; A61K039-00; A61K049-00; C07K007-08; C07K014-52; C07K016-06; C07K016-18; C12P021-02; C12P021-08; C12Q001-02; G01N033-53

ICA A61K039-395; C07H021-04

L12 ANSWER 298 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1992-427200 [52] WPIDS

DNC C1992-189586

TI New ***peptide*** (s) isolated from atrium, ventricle or brain of shark - used as diuretics, antihypertensives and vasodilators.

DC B04

PA (SUMQ) SUMITOMO METAL IND LTD

CYC 1

PI JP 04321699 A 19921111 (199252)* 8p C07K007-08 <--

ADT JP 04321699 A JP 1991-90777 19910422

PRAI JP 1991-90777 19910422

IC ICM C07K007-08

ICS A61K037-02; A61K037-24; C07K007-10; C07K013-00

ICI C07K099:00

L12 ANSWER 299 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1992-090038 [12] WPIDS

DNC C1992-041458

TI Rat C-type natriuretic ***peptide*** CDNA and precursor protein - for pharmaceutical use and for elucidating C-type NP mechanism of action.

DC B04 D16

IN KANGAWA, K; KOJIMA, M; MATSUO, H; MINAMINO, N; MINAMITO, N

PA (MATS-I) MATSUO H; (SUNR) SUNTORY LTD; (MATS-I) MATSUO T; (MATS-I) MATSUO M

CYC 16

PI EP 475394 A 19920318 (199212)* 20p <--

R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

JP 04121190 A 19920422 (199223) 9p C12N015-16 <--

EP 475394 A3 19920916 (199339) <--

EP 475394 B1 19970611 (199728) EN 38p C12N015-12

R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DE 69126487 E 19970717 (199734) C12N015-12

ES 2104639 T3 19971016 (199748) C12N015-12

US 5973134 A 19991026 (199952) C07H017-00

JP 3026352 B2 20000327 (200020) 12p C12N015-09

ADT EP 475394 A EP 1991-115393 19910911; JP 04121190 A JP 1990-241074 19900911; EP 475394 A3 EP 1991-115393 19910911; EP 475394 B1 EP 1991-115393 19910911; DE 69126487 E DE 1991-626487 19910911; EP 1991-115393 19910911; ES 2104639 T3 EP 1991-115393 19910911; US 5973134 A US 1991-757606 19910911; JP 3026352 B2 JP 1990-241074 19900911

FDT DE 69126487 E Based on EP 475394; ES 2104639 T3 Based on EP 475394; JP 3026352 B2 Previous Publ. JP 04121190

PRAI JP 1990-241074 19900911

IC ICM C07H017-00; C12N015-09; C12N015-12; C12N015-16

ICS A61K037-02; A61K038-16; C07K013-00; C07K014-00; C07K014-47; C07K014-58

ICA A61K037-24; A61P007-12; C07H021-04; C07K007-10; C12P021-02

ICI C07K099:00

L12 ANSWER 300 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1991-281423 [38] WPIDS

CR 1999-023446 [02]; 1999-069733 [06]; 1999-069781 [06]

DNC C1991-121975

TI Non-glycosylated ***peptide*** (s) of vWF GP1b binding domainctor GP1b binding - inhibits platelet adhesion and aggregation for treatment of cerebrovascular and cardiovascular disorders.

DC B04 D16

IN GARFINKEL, L; RICHTER, T

PA (BIOT-N) BIO-TECHNOLOGY GENERAL CORP; (BIOT-N) BIOTECHNOLOGY GEN CORP; (BIOT-N) BIO-TECHN GEN CORP; (BIOT-N) BIOTECHN GEN CORP

CYC 26

PI WO 9113093 A 19910905 (199138)* 107p <--

RW: AT BE CH DE DK ES FR GB GR IT LU NL SE

W: AU BR CA FI JP KR NO SU US

AU 9174964 A 19910918 (199150) <--

FI 9203935 A 19920902 (199249) C07K000-00 <--

EP 517826 A1 19921216 (199251) EN 107p C07K013-00 <--

R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

NZ 237244 A 19921028 (199301) C07K015-06 <--
 NO 9203410 A 19921026 (199305) C07K013-00 <--
 HU 63183 T 19930728 (199336) C07K013-00 <--
 JP 05506646 W 19930930 (199344) 31p C07K013-00 <--
 AU 645077 B 19940106 (199408) C07K013-00 <--
 EP 517826 A4 19930526 (199526) <--
 RU 2109816 C1 19980427 (199848) C12N015-12
 HU 216066 B 19990428 (199924) C07K014-745

ADT FI 9203935 A WO 1991-US1416 19910301, FI 1992-3935 19920902; EP 517826 A1
 EP 1991-906027 19910301, WO 1991-US1416 19910301; NZ 237244 A NZ
 1991-237244 19910227; NO 9203410 A WO 1991-US1416 19910301, NO 1992-3410
 19920901; HU 63183 T WO 1991-US1416 19910301, HU 1992-2821 19910301; JP
 05506646 W JP 1991-506116 19910301, WO 1991-US1416 19910301; AU 645077 B
 AU 1991-74964 19910301; EP 517826 A4 EP 1991-906027 ; RU 2109816
 C1 SU 1991-5053187 19910301, WO 1991-US1416 19910301; HU 216066 B WO
 1991-US1416 19910301, HU 1992-2821 19910301

FDT EP 517826 A1 Based on WO 9113093; HU 63183 T Based on WO 9113093; JP
 05506646 W Based on WO 9113093; AU 645077 B Previous Publ. AU 9174964,
 Based on WO 9113093; HU 216066 B Previous Publ. HU 63183, Based on WO
 9113093

PRAI US 1990-487767 19900302

IC ICM C07K000-00; C07K013-00; C07K014-745; C07K015-06; C12N015-12
 ICS A61K037-00; A61K037-02; A61K037-465; A61K038-36; C07K001-14;
 C12N001-21; C12N015-14; C12N015-63; C12N015-70; C12P021-00;
 C12P021-02

ICA C07K017-00

L12 ANSWER 301 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1991-165045 [23] WPIDS
 DNC C1991-071433

TI New ****peptide**** (s) block leucocyte elastase and cathepsin G - used
 to treat alpha-proteinase deficiency without damaging immune system.

DC B04 D16

IN COLLINS, J; FINK, E; FRITZ, H; TAUBE, W

PA (GBFB) GBF GES BIOTECH FORSCH; (BIOT-N) GES FUR BIOTECH FOR; (GBFB) GBF
 GES BIOTECH FORSCHUNG GMBH

CYC 16

PI DE 3938971 A 19910529 (199123)* <--
 WO 9108228 A 19910613 (199126) <--
 RW: AT BE CH DE DK ES FR GB GR IT LU NL SE
 W: JP US

EP 455785 A 19911113 (199146) <--
 R: AT BE CH DE ES FR GB GR IT LU NL SE

JP 04505162 W 19920910 (199243) 5p C07K007-10 <--
 EP 455785 B1 19960131 (199609) DE 10p C07K014-81

R: CH DE FR GB IT LI NL SE

DE 59010105 G 19960314 (199616) C07K014-81

ADT DE 3938971 A DE 1989-3938971 19891124; EP 455785 A EP 1990-917566
 19901123; JP 04505162 W WO 1990-EP2004 19901123, JP 1991-500102 19901123;
 EP 455785 B1 EP 1990-917566 19901123, WO 1990-EP2004 19901123; DE 59010105
 G DE 1990-510105 19901123, EP 1990-917566 19901123, WO 1990-EP2004
 19901123

FDT JP 04505162 W Based on WO 9108228; EP 455785 B1 Based on WO 9108228; DE
 59010105 G Based on EP 455785, Based on WO 9108228

PRAI DE 1989-3938971 19891124

IC ICM C07K007-10; C07K014-81

ICS A61K037-64; A61K038-55; C12N001-21; C12N015-15; C12P021-02

L12 ANSWER 302 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1991-088933 [13] WPIDS
 DNN N1991-068754 DNC C1991-037779

TI Polypeptide comprising recombinant polypeptide - with defined
 ****peptide**** sequence(s) used for diagnosis and for preparing vaccine
 against tuberculosis.

DC B04 D16 S03

IN CONTENT, J; DEBRUYN, J; DEWIT, L; VANVOOREN, J P; DE BRUYN, J; DE WIT, L;
 VAN VOOREN, J P; VAN VOOREN, J

PA (INNO-N) INNOGENETICS NV SA; (BELO) BELOIT CORP

CYC 20

PI EP 419355 A 19910327 (199113)* 134p <--
 R: AT BE CH DE ES FR GB GR IT LI LU NL SE

WO 9104272 A 19910404 (199116) <--
 W: AU CA JP US

AU 9064143 A 19910418 (199129) <--
 DD 295869 A 19911114 (199216) <--

JP 04501811 W 19920402 (199220) 71p <--
 JP 09234096 A 19970909 (199746) 95p C12P021-02
 JP 2756368 B2 19980525 (199826) 144p C07K014-195
 JP 2872172 B2 19990317 (199916) 92p A61K039-04
 US 5916558 A 19990629 (199932) C07K005-00
 EP 419355 B1 20000209 (200012) EN C07K014-00
 R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE
 DE 69033453 E 20000316 (200021) C07K014-00
 ES 2144394 T3 20000616 (200036) C07K014-00
 IL 95742 A 20001206 (200103) C12N015-31
 US 6531138 B1 20030311 (200321) A61K039-04
 ADT EP 419355 A EP 1990-402590 19900919; JP 04501811 W JP 1990-513259
 19900919; JP 09234096 A Div ex JP 1990-513259 19900919, JP 1996-330512
 19900919; JP 2756368 B2 JP 1990-513259 19900919, WO 1990-EP1593 19900919;
 JP 2872172 B2 Div ex JP 1990-513259 19900919, JP 1996-330512 19900919; US
 5916558 A Cont of WO 1990-EP1593 19900919, Cont of US 1991-690949
 19910208, US 1995-447430 19950522; EP 419355 B1 EP 1990-402590 19900919;
 DE 69033453 E DE 1990-633453 19900919, EP 1990-402590 19900919; ES 2144394
 T3 EP 1990-402590 19900919; IL 95742 A IL 1990-95742 19900919; US 6531138
 B1 Cont of US 1991-690949 19910708, Cont of US 1995-447430 19950522, US
 1999-342673 19990629
 FDT JP 04501811 W Based on WO 9104272; JP 2756368 B2 Previous Publ. JP
 04501811, Based on WO 9104272; JP 2872172 B2 Previous Publ. JP 09234096;
 DE 69033453 E Based on EP 419355; ES 2144394 T3 Based on EP 419355; US
 6531138 B1 Cont of US 5916558
 PRAI EP 1990-402590 19900919; EP 1989-402571 19890919
 IC A61K037-02; A61K039-04; C07K013-00; C07K015-28; C12N015-31; C12N015-56;
 C12P021-02; C12Q001-68; G01N033-53; G01N033-56
 ICM A61K039-04; C07K005-00; C07K014-00; C07K014-195; C12N015-31;
 C12P021-02
 ICS A61K037-02; A61K039-00; A61K039-02; C07H021-04; C07K007-08;
 C07K013-00; C07K014-35; C07K015-28; C12N015-56; C12Q001-68;
 G01N033-53; G01N033-56
 ICA A61K039-40; A61K049-00; C12N015-09; G01N033-569
 L12 ANSWER 303 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1991-059247 [09] WPIDS
 DNC C1991-024979
 TI Pulmonary surfactant protein fragments - useful in conjunction with lipid
 mixt. and opt. also 2nd surfactant protein fragment, for treatment of
 respiratory disorders.
 DC B04 B05
 IN ABSOLOM, D; FOX, J L; GUPTA, S L; SARIN, V K
 PA (ABBO) ABBOTT LAB
 CYC 18
 PI EP 413957 A 19910227 (199109)* <--
 R: AT BE CH DE ES FR GB GR IT LI NL SE
 AU 9061206 A 19910228 (199116) <--
 CA 2022443 A 19910223 (199118) <--
 JP 03090033 A 19910416 (199121) <--
 US 5238920 A 19930824 (199335) 10p A61K037-02 <--
 AU 639937 B 19930812 (199339) C07K007-10 <--
 US 5302581 A 19940412 (199414) 10p A61K037-02 <--
 ADT EP 413957 A EP 1990-113662 19900717; JP 03090033 A JP 1990-222315
 19900821; US 5238920 A US 1989-397151 19890822; AU 639937 B AU 1990-61206
 19900821; US 5302581 A Div ex US 1989-397151 19890822, US 1992-826323
 19920122
 FDT AU 639937 B Previous Publ. AU 9061206; US 5302581 A Div ex US 5238920
 PRAI US 1989-397151 19890822
 IC A61K037-02; A61K047-24; C07K007-08
 ICM A61K037-02
 ICS A61K047-24; C07K007-08; C07K007-10
 L12 ANSWER 304 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1991-001134 [01] WPIDS
 DNC C1991-000463
 TI Inhibition of tumour metastases - by use of anti-metastatic factor
 isolated from leech haementeria ghilianii.
 DC B04
 IN CARDIN, A D; SUNKARA, S P
 PA (RICH) MERRELL DOW PHARM INC
 CYC 20
 PI EP 404055 A 19901227 (199101)* <--
 R: AT BE CH DE ES FR GB GR IT LI LU NL SE
 AU 9057538 A 19910103 (199108) <--
 ZA 9004622 A 19910327 (199118) <--

JP 03128326 A 19910531 (199128) <--
 EP 404055 B1 19940302 (199409) EN 27p A61K037-02 <--
 R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE
 DE 69006931 E 19940407 (199415) A61K037-02 <--
 ES 2052105 T3 19940701 (199429) A61K037-02 <--
 IE 63540 B 19950517 (199527) A61K035-62 <--
 US 5447911 A 19950905 (199541) 21p A61K038-58 <--
 JP 2947882 B2 19990913 (199943) 18p A61K035-62 <--
 KR 185973 B1 19990501 (200052) A61K038-58
 ADT EP 404055 A EP 1990-111551 19900619; ZA 9004622 A ZA 1990-4622 19900614;
 JP 03128326 A JP 1990-160074 19900620; EP 404055 B1 EP 1990-111551
 19900619; DE 69006931 E DE 1990-606931 19900619, EP 1990-111551 19900619;
 ES 2052105 T3 EP 1990-111551 19900619; IE 63540 B IE 1990-2212 19900619;
 US 5447911 A CIP of US 1989-368616 19890620, Cont of US 1989-438365
 19891214, Cont of US 1991-975259 19911219, US 1994-224096 19940406; JP
 2947882 B2 JP 1990-160074 19900620; KR 185973 B1 KR 1990-8918 19900618
 FDT DE 69006931 E Based on EP 404055; ES 2052105 T3 Based on EP 404055; JP
 2947882 B2 Previous Publ. JP 03128326
 PRAI US 1989-438365 19891214; US 1989-368616 19890620; US 1991-975259
 19911219; US 1994-224096 19940406
 IC A61K037-02
 ICM A61K035-62; A61K037-02; A61K038-58
 ICS A61K031-00; A61K038-00; A61K038-17
 ICA C07K014-44

 L12 ANSWER 305 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1990-315501 [42] WPIDS
 DNC C1990-136298
 TI DNA contg. swine brain natriuretic ***peptide*** - is produced in
 large amts..
 DC B04 D16
 PA (DAII-N) DAIICHI KAGAKU YAKUHI; (DAUC) DAIICHI PHARM CO LTD
 CYC 1
 PI JP 02222683 A 19900905 (199042)* <--
 ADT JP 02222683 A JP 1989-42720 19890222
 PRAI JP 1989-42720 19890222
 IC A61K037-02; C12N015-16

 L12 ANSWER 306 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1990-085458 [12] WPIDS
 DNC C1990-037451
 TI Polypeptide(s) with insect diuretic factor activity - isolated from
 Manduca sexta and used as insecticides.
 DC C03 D16
 IN KATAOKA, H; KRAMER, S J; MAEDA, S; ROTER, A H; SCHOOLEY, D A; TROETSCHLE,
 R G; HIROSHI, K; SUSUMU, M; TROETSCHLER, R G
 PA (SANO) SANDOZ AG; (SANO) SANDOZ PATENT GMBH; (SANO) SANDOZ LTD
 CYC 16
 PI EP 359714 A 19900321 (199012)* EN 25p <--
 R: BE CH DE FR GB IT LI NL
 BR 8904653 A 19900424 (199021) <--
 DK 8904532 A 19900317 (199022) <--
 JP 02149599 A 19900608 (199029) <--
 AU 8941401 A 19900322 (199032) <--
 ZA 8907065 A 19910529 (199125) <--
 NZ 230661 A 19930225 (199312) <--
 EP 359714 B1 19940112 (199403) EN 30p C12N015-16 <--
 R: BE CH DE FR GB IT LI NL
 DE 68912248 E 19940224 (199409) C12N015-16 <--
 IL 91652 A 19950315 (199517) C12N015-16 <--
 IE 63105 B 19950322 (199521) C07K007-10 <--
 ADT EP 359714 A EP 1989-810675 19890912; JP 02149599 A JP 1989-239794
 19890914; ZA 8907065 A ZA 1989-7065 19890915; NZ 230661 A NZ 1989-230661
 19890914; EP 359714 B1 EP 1989-810675 19890912; DE 68912248 E DE
 1989-612248 19890912, EP 1989-810675 19890912; IL 91652 A IL 1989-91652
 19890915; IE 63105 B IE 1989-2940 19890914
 FDT DE 68912248 E Based on EP 359714
 PRAI US 1988-245429 19880916
 IC C12N015-16
 ICM A01N037-46; A01N063-02; A61K039-12; A61K047-00; C07H021-04;
 C07K007-10; C07K013-00; C07K015-00; C12N007-01; C12N015-63;
 C12N015-86; C12P021-02

 L12 ANSWER 307 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1990-007453 [01] WPIDS
 DNC C1990-003207

TI New natriuretic and vasodilator ***peptides*** - obtd. using cDNA
 sequence encoding porcine brain natriuretic ***peptide*** and related
 human and canine genes.

DC B04 D16

IN LEWICKI, J; PORTER, J G; SCARBOROUGH, R M; SEILHAMER, J J; SCARBOROUGH, R
 M; SEILHAMER, J; LEWICKI, J A

PA (CALD) CALIFORNIA BIOTECHNOLOGY INC; (SCIO-N) SCIOS NOVA INC; (CALD)
 CALIFORNIAN BIOTECHNOLOGY INC; (LEWI-I) LEWICKI J; (PORT-I) PORTER J G;
 (SCAR-I) SCARBOROUGH R M; (SEIL-I) SEILHAMER J J; (SCIO-N) SCIOS INC

CYC 17

PI WO 8912069 A 19891214 (199001)* EN 61p <--
 RW: AT BE CH DE FR GB IT LU NL SE
 W: AU JP KR US

AU 8937681 A 19900105 (199012) <--
 EP 418308 A 19910327 (199113) <--
 R: AT BE CH DE FR GB IT LI LU NL SE

JP 03505280 W 19911121 (199202) <--
 US 5114923 A 19920519 (199223) 25p A61K037-02 <--
 EP 418308 A4 19911113 (199520) <--
 EP 418308 B1 19950816 (199537) EN 34p C07K014-00 <--
 R: AT BE CH DE FR GB IT LI LU NL SE

DE 68923878 E 19950921 (199543) C07K014-00 <--
 JP 2511160 B2 19960626 (199630) 26p C07K014-58
 IE 68889 B 19960724 (199644) C07K007-00
 CA 1339210 C 19970805 (199743) C12N015-16
 US 5674710 A 19971007 (199746) 27p C12N015-16
 US 5948761 A 19990907 (199943) A61K038-00
 US 2003109430 A1 20030612 (200340) A61K038-17
 US 6586396 B1 20030701 (200345) A61K038-22

ADT WO 8912069 A WO 1989-US2373 19890531; EP 418308 A EP 1989-906935 19890531;
 JP 03505280 W JP 1989-506595 19890531; US 5114923 A CIP of US 1988-299880
 19880119, CIP of US 1988-200383 19880531, CIP of US 1988-206470 19880614,
 WO 1989-US2373 19890531, US 1990-460855 19900202; EP 418308 A4 EP
 1989-906935 ; EP 418308 B1 EP 1989-906935 19890531, WO 1989-US2373
 19890531; DE 68923878 E DE 1989-623878 19890531, EP 1989-906935 19890531,
 WO 1989-US2373 19890531; JP 2511160 B2 JP 1989-506595 19890531, WO
 1989-US2373 19890531; IE 68889 B IE 1989-1792 19890612; CA 1339210 C CA
 1989-601005 19890529; US 5674710 A CIP of US 1988-200383 19880531, CIP of
 US 1988-206470 19880614, Div ex US 1989-299880 19890119, US 1990-477226
 19900208; US 5948761 A CIP of US 1988-200383 19880531, CIP of US
 1988-206470 19880614, Div ex US 1989-299880 19890119, Div ex US
 1990-477226 19900208, US 1997-850910 19970505; US 2003109430 A1 CIP of US
 1988-200383 19880531, CIP of US 1988-206470 19880614, Div ex US
 1989-299880 19890119, CIP of US 1990-460855 19900202, Cont of US
 1990-477226 19900208, Div ex US 1997-850910 19970505, Div ex US
 1999-287892 19990407, US 2001-902517 20010709; US 6586396 B1 CIP of US
 1988-200383 19880531, CIP of US 1988-206470 19880614, Div ex US
 1989-299880 19890119, Cont of US 1990-477226 19900208, Div ex US
 1997-850910 19970505, US 1999-287892 19990407

FDT EP 418308 B1 Based on WO 8912069; DE 68923878 E Based on EP 418308, Based
 on WO 8912069; JP 2511160 B2 Previous Publ. JP 03505280, Based on WO
 8912069; US 5948761 A Div ex US 674710; US 6586396 B1 Cont of US 674710

PRAI US 1989-299880 19890119; US 1988-200383 19880531; US 1988-206470
 19880614; US 1988-299880 19880119; US 1990-460855 19900202; US
 1990-477226 19900208; US 1997-850910 19970505; US 1999-287892
 19990407; US 2001-902517 20010709

IC ICM A61K037-02; A61K038-00; A61K038-17; A61K038-22; C07K007-00;
 C07K014-00; C07K014-58; C12N015-16

ICS A61K037-54; A61K038-46; C07H015-12; C07K007-08; C07K007-10;
 C07K013-00; C07K014-435; C12N001-21; C12N015-00; C12N015-09;
 C12N015-85; C12P021-00; C12P021-02

ICI C12P021-02, C12R001:19

L12 ANSWER 308 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1988-271142 [38] WPIDS

DNC C1988-120714

TI Vasoactive intestinal ***peptide*** analogues - used for relieving
 bronchoconstriction, reducing blood pressure or inhibiting gastric acid
 secretion.

DC B04

IN KAISER, E T; MUSSO, G F; VELICELEBI, G

PA (SALK) SALK INST BIOLOGICAL STUDIES

CYC 16

PI WO 8806598 A 19880907 (198838)* EN 54p <--
 RW: AT BE CH DE FR GB IT LU NL SE
 W: AU DK FI JP NO

AU 8814842 A 19880926 (198851) <--
 US 4835252 A 19890530 (198926) 9p <--
 US 4939224 A 19900703 (199029) <--
 ADT WO 8806598 A WO 1988-US605 19880226; US 4835252 A US 1987-19148 19870226;
 US 4939224 A US 1988-146463 19880121
 PRAI US 1987-19148 19870226; US 1988-146463 19880121
 IC C07K007-10

L12 ANSWER 309 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1987-308382 [44] WPIDS

DNC C1987-131306

TI New DNA fragment of Varicella zoster virus - and new immunogenic polypeptide expression product, useful in vaccines against chicken-pox.

DC B04 D16

IN DAVISON, A J; ELLIS, R W; KELLER, P M; LOWE, R S; RIEMEN, M W

PA (MERI) MERCK & CO INC

CYC 15

PI EP 244155 A 19871104 (198744)* EN 19p <--

R: AT BE CH DE ES FR GB IT LI LU NL SE

JP 62285792 A 19871211 (198804) <--

DK 8702225 A 19871103 (198807) <--

US 4952674 A 19900828 (199037) <--

EP 244155 B 19920311 (199211) 20p <--

R: AT BE CH DE ES FR GB IT LI LU NL SE

DE 3777233 G 19920416 (199217) <--

US 5306635 A 19940426 (199416) 8p C12N015-38 <--

JP 2530847 B2 19960904 (199640) 10p C12N015-09

ADT EP 244155 A EP 1987-303561 19870423; JP 62285792 A JP 1987-108777
 19870501; US 4952674 A US 1986-859159 19860502; EP 244155 B EP 1987-303561
 19870423; US 5306635 A Div ex US 1986-859159 19860502, Cont of US
 1990-526075 19900518, US 1992-896038 19920609; JP 2530847 B2 JP
 1987-108777 19870501

FDT US 5306635 A Div ex US 4952674; JP 2530847 B2 Previous Publ. JP 62285792

PRAI US 1986-859159 19860502; US 1990-526075 19900518; US 1992-896038

19920609

IC A61K039-25; C07H021-04; C07K007-08; C07K013-00; C12N001-20; C12N005-00;

C12N015-38; C12R001-19

ICM C12N015-09; C12N015-38

ICS C07H021-04; C07K007-08; C07K013-00; C12N001-15; C12N001-19;

C12N001-20; C12N001-21; C12N005-00; C12N005-10; C12N015-00;

C12R001-19

ICA A61K039-25; C07K014-04

ICI C12N015-09, C12R001:

L12 ANSWER 310 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

AN 1987-170334 [24] WPIDS

DNC C1987-070984

TI Recombinant DNA clone encoding laminin receptor - used in diagnostic assays for cancer cells and for producing ***peptide*** (s) to inhibit cancer metastases.

DC B04 D16

IN DROHAN, W N; JAYE, M C; LIOTTA, L A; SOBEL, M E; WEWER, U M

PA (RORE) RORER INT HOLDINGS INC; (USDC) US DEPT OF COMMERCE; (USSH) US DEPT

HEALTH & HUMAN SERVICE; (USDC) US SEC OF COMMERCE; (RHON) RHONE POULENC

RORER INT HOLDINGS INC; (USGO) US GOVERNMENT

CYC 14

PI US 911863 A0 19870324 (198724)* 48p <--

WO 8802407 A 19880407 (198815) EN <--

RW: AT BE CH DE FR GB IT LU NL SE

W: JP

EP 324788 A 19890726 (198930) EN <--

R: AT BE CH DE FR GB IT LI LU NL SE

US 4861710 A 19890829 (198944) 18p <--

JP 02500637 W 19900308 (199016) <--

CA 1305678 C 19920728 (199236) C12Q001-68 <--

EP 561172 A1 19930922 (199338) EN 22p C12N015-12 <--

R: AT BE CH DE FR GB IT LI LU NL SE

JP 06107691 A 19940419 (199420) 18p C07K013-00 <--

EP 324788 B1 19940706 (199426) EN 23p C07K007-10 <--

R: AT BE CH DE FR GB IT LI LU NL SE

DE 3750180 G 19940811 (199431) C07K007-10 <--

EP 324788 A4 19900516 (199511) <--

JP 08080200 A 19960326 (199622) 17p C12Q001-68

JP 2533595 B2 19960911 (199641) 18p C12N015-09

JP 2825780 B2 19981118 (199851) 20p C12Q001-68

ADT US 911863 A0 US 1986-911863 19860926; EP 324788 A EP 1987-907048 19870923;

JP 02500637 W JP 1987-506395 19870923; CA 1305678 C CA 1987-548000
19870928; EP 561172 A1 Related to EP 1987-907048 19870923, EP 1993-102626
19870923; JP 06107691 A Div ex JP 1987-506395 19870923, JP 1993-116331
19870923; EP 324788 B1 EP 1987-907048 19870923, WO 1987-US2411 19870923;
DE 3750180 G DE 1987-3750180 19870923, EP 1987-907048 19870923, WO
1987-US2411 19870923; EP 324788 A4 EP 1987-907048 ; JP 08080200 A
Div ex JP 1987-506395 19870923, JP 1995-248671 19870923; JP 2533595 B2 JP
1987-506395 19870923, WO 1987-US2411 19870923; JP 2825780 B2 Div ex JP
1987-506395 19870923, JP 1995-248671 19870923

FDT EP 324788 B1 Based on WO 8802407; DE 3750180 G Based on EP 324788, Based
on WO 8802407; JP 2533595 B2 Previous Publ. JP 02500637, Based on WO
8802407; JP 2825780 B2 Previous Publ. JP 08080200

PRAI US 1986-911863 19860926

IC ICM C07K007-10; C07K013-00; C12N015-09; C12N015-12
ICS A61K031-48; A61K037-02; C07H015-10; C07H021-00; C07H021-04;
C07K007-06; C07K007-08; C12N001-19; C12N001-21; C12P021-02

ICA A61K038-00; C07K014-705; C12Q001-68; G01N033-50

ICI C07K099-00; C12N001-21, C12R001-19

L12 ANSWER 311 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
AN 1986-264937 [40] WPIDS
DNC C1986-114693

TI Mammal intestinal hormone precursor which is variant of secretin - more
potent than secretin and useful for determining pancreatic and
gall-bladder functions and in treatment of gastrointestinal disorders.

DC B04
IN CARLQUIST, M; MUTT, V
PA (GAFV-I) GAFVELIN G; (KABI) KABIGEN AB; (SKAN-N) SKANDIGEN AB
CYC 13

PI WO 8605495 A 19860925 (198640)* EN <--
RW: AT BE CH DE FR GB IT LU NL SE
W: JP US
SE 8501203 A 19860912 (198644) <--
JP 62502198 W 19870827 (198740) <--
EP 254718 A 19880203 (198805) EN <--
R: AT BE CH DE FR GB IT LI LU NL SE
SE 454514 B 19880509 (198821) <--
US 4840785 A 19890620 (198931) <--

ADT WO 8605495 A WO 1986-SE100 19860707; JP 62502198 W JP 1986-501860
19860307; EP 254718 A EP 1986-902064 19860307; US 4840785 A US 1986-934449
19861110

PRAI SE 1985-1203 19850311

IC A61K037-24; A61K049-00; C07K007-32; C07K099-38

L12 ANSWER 312 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
AN 1984-153870 [25] WPIDS
DNN N1984-114304 DNC C1984-064794

TI Prodn. of specific antibodies - useful in enzyme immunoassays for
peptide hormones in body fluids.

DC B04 D16 S03
IN IWASA, S; KONDO, K; YOSHIDA, I
PA (TAKE) TAKEDA CHEM IND LTD
CYC 9

PI EP 111216 A 19840620 (198425)* EN 79p <--
R: BE CH DE FR GB IT LI NL SE

ADT EP 111216 A EP 1983-111727 19830126

PRAI JP 1980-42484 19800331; JP 1980-80467 19800613; JP 1981-4507
19810114

IC C07G007-00; C12N009-96; G01N033-54

L12 ANSWER 313 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
AN 1983-32527K [14] WPIDS
CR 1988-229081 [33]
DNC C1983-031730

TI DNA sequence for messenger RNA encoding poly ***peptide*** - for
highly efficient translation in prodn. of poly ***peptide*** .

DC B04 C03 D16
IN DE, BOER H A; HEYNEKER, H L; SEEBURG, P H; DEBOER, H A; HEYNERER, H L
PA (GETH) GENENTECH INC; (DBOE-I) DE BOER H A; (HEYN-I) HEYNEKER H L;
(SEEB-I) SEEBURG P H

CYC 19

PI EP 75444 A 19830330 (198314)* EN 51p <--
R: AT BE CH DE FR GB IT LI LU NL SE
GB 2106119 A 19830407 (198314) <--
AU 8288464 A 19830324 (198320) <--
JP 58063390 A 19830415 (198321) <--

DK 8204139	A	19830725 (198336)		<--
ZA 8206802	A	19830610 (198337)		<--
BR 8205453	A	19830823 (198351)		<--
ES 8407329	A	19841201 (198506)		<--
GB 2147902	A	19850522 (198521)		<--
ES 8504256	A	19850701 (198550)		<--
GB 2147902	B	19860514 (198620)		<--
GB 2106119	B	19860521 (198621)		<--
AU 8779436	A	19880204 (198813)		<--
AU 8932790	A	19890914 (198945)		<--
US 4880910	A	19891114 (199004)		<--
DK 9101228	A	19910624 (199144)		<--
EP 75444	B1	19921223 (199252)	EN 29p C12N015-10	<--

R: AT BE CH DE FR GB IT LI LU NL SE

DE 3280422	G	19930204 (199306)		C12N015-10	<--
US 5254463	A	19931019 (199343)	22p	C12P021-02	<--
US 5260201	A	19931109 (199346)	22p	C12P021-02	<--
JP 07076599	A	19950320 (199520)	24p	C07K014-61	<--
US 5489529	A	19960206 (199612)	31p	C12N015-18	
JP 2539775	B2	19961002 (199644)	22p	C12N015-09	
JP 2766781	B2	19980618 (199829)	23p	C12N015-09	
CA 1340371	C	19990202 (199916)		C12N015-18	
DK 172897	B	19990920 (199945)		C12N015-09	
DK 173822	B	20011119 (200201)		C12P021-02	

ADT EP 75444 A EP 1982-304880 19820916; GB 2106119 A GB 1984-16356 19840617;
GB 2147902 A GB 1984-18356 19840627; GB 2106119 B GB 1982-26403 19820916;
US 4880910 A US 1984-618616 19840608; EP 75444 B1 EP 1982-304880 19820916;
DE 3280422 G DE 1982-3280422 19820916, EP 1982-304880 19820916; US 5254463
A Cont of US 1981-303687 19810918, Cont of US 1984-632361 19840719, Cont
of US 1988-178824 19880405, US 1990-582590 19900912; US 5260201 A Cont of
US 1981-303687 19810918, Cont of US 1984-632361 19840719, Cont of US
1988-178824 19880405, US 1990-619827 19901128; JP 07076599 A Div ex JP
1982-161536 19820916, JP 1994-183278 19820916; US 5489529 A Cont of US
1981-303687 19810918, Cont of US 1984-632361 19840719, Cont of US
1988-178824 19880405, Cont of US 1990-619827 19901128, US 1993-93383
19930719; JP 2539775 B2 JP 1982-161536 19820916; JP 2766781 B2 Div ex JP
1982-161536 19820916, JP 1994-183278 19820916; CA 1340371 C CA 1982-411650
19820917; DK 172897 B DK 1982-4139 19820916; DK 173822 B DK 1991-1228
19910624

FDT DE 3280422 G Based on EP 75444; US 5489529 A Cont of US 5260201; JP
2539775 B2 Previous Publ. JP 58063390; JP 2766781 B2 Previous Publ. JP
07076599; DK 172897 B Previous Publ. DK 8204139; DK 173822 B Previous
Publ. DK 9101228

PRAI US 1981-303687 19810918; US 1984-632361 19840719; US 1988-178824
19880405; US 1990-582590 19900912; US 1990-619827 19901128; US
1993-93383 19930719

IC ICM C07K014-61; C12N015-09; C12N015-10; C12N015-18
ICS A61K037-02; A61K037-36; A61K037-38; C07G003-00; C07G017-00;
C07K013-00; C08K007-10; C12N001-20; C12N015-00; C12N015-03;
C12N015-70; C12N015-71; C12P019-36; G12N015-00

ICA A61K038-27; C07H021-04; C12N001-21; C12P021-02; C12R001-19

ICI C12N001-21; C12R001-19; C12P021-02; C12R001-19; C12N001-21, C12R001-19;
C12N015-09, C12R001-19

L12 ANSWER 314 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
AN 1983-08056K [04] WPIDS
DNC C1983-007975
TI 27-Des-amido-secretin prep. by recombinant DNA techniques - useful as
diagnostic agent for pancreatic function or drug for treating duodenal
ulcers.

DC B04 D16
PA (WAKI-N) WAKINAGA YAKUHHN KK
CYC 1

PI JP 57200343	A	19821208 (198304)*	15p	<--
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PRAI JP 1981-84603 19810602; JP 1981-106607 19810602; JP 1982-16734
19820204

IC C07C103-52; C07H021-04; C12N015-00; C12P021-02; C12R001-19

L12 ANSWER 315 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
AN 1982-68417E [33] WPIDS
TI synthetic vaccine for virus infections - contg. synthetic ***peptide***
virus antigen fragment on carrier, esp. synthetic influenza antigen on
tetanus toxoid carrier.

DC B04 D16
IN ARNON, R; MUELLER, G; SHAPIRA, M
PA (YEDA) YEDA RES & DEV CO LTD

CYC 3
 PI DE 3200813 A 19820812 (198233)* 16p <--
 US 4474757 A 19841002 (198442) <--
 IL 61904 A 19850731 (198541) <--
 ADT US 4474757 A US 1981-335574 19811229
 PRAI IL 1981-61904 19810113
 IC A61K037-02; A61K039-12; C07C103-52; C07G007-00; C07K007-04; C12N007-04

 L12 ANSWER 316 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1981-76091D [42] WPIDS
 TI Hormone enzyme- immunoassay - using antibody recovered by absorption on
 peptide linked inert carrier and conjugated with stabilised
 beta-d-galactosidase.
 DC B04 D16 S03
 IN IWASA, S; KONDO, K; YOSHIDA, I
 PA (TAKE) TAKEDA YAKUHI KOGYO KK
 CYC 13
 PI EP 37110 A 19811007 (198142)* EN 79p <--
 R: BE CH DE FR GB IT LI NL SE
 DK 8101371 A 19811109 (198149) <--
 JP 56138248 A 19811028 (198149) <--
 JP 57118790 A 19820723 (198235) <--
 CA 1162848 A 19840228 (198413) <--
 US 4496658 A 19850129 (198507) <--
 CA 1181342 A 19850122 (198508) <--
 US 4517290 A 19850514 (198522) <--
 EP 37110 B 19860129 (198605) EN <--
 R: BE CH DE FR GB IT LI NL SE
 DE 3173597 G 19860313 (198612) <--
 DE 3174064 G 19860417 (198617) <--
 JP 57006363 A 19820113 (198836) <--
 JP 63062698 B 19881205 (198901) <--
 JP 02018836 B 19900426 (199021) <--
 ADT EP 37110 A EP 1981-102360 19810328; JP 56138248 A JP 1980-42484 19800331;
 US 4496658 A US 1981-311327 19811014; US 4517290 A US 1983-533619
 19830919; JP 02018836 B JP 1981-4507 19810114
 PRAI JP 1980-42484 19800331; JP 1980-80467 19800613; JP 1980-144689
 19801015; JP 1981-4507 19810114
 IC A61K039-39; C07C103-52; C07G007-00; C07K007-10; C12N009-96; C12Q001-42;
 G01N033-54; G07K007-04
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